

## Product Datasheet

### Human GPT protein (orb244244)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Recombinant human Alanine aminotransferase 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Endotoxins</b>        | Not test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Preservatives</b>     | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                                                                            |
| <b>Form/Appearance</b>   | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                               |
| <b>Tag</b>               | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Application notes</b> | Full length of His-tag and expression region is 2-496aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Sequence</b>  | ASSTGDRSQAVRHGLRAKVLTLTGMNPRVRRVEYAVRGPIVQRALELEQELRQ<br>GVKKPFTEVIRANIGDAQAMGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAE<br>RILQACGGHSLGAYSVSSGIQLIREDVARYIERRDGGIPADPNNVFLSTGASDAIV<br>TVLKLVLVAGEGHTRTGVLIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAEL<br>HRLGQARDHCRPRALCVINPGNPTGQVQTRECIEAVIRFAFEERLFLLADEVYQ<br>DNVYAAGSQFHSFKKVLMMGPPYAGQQLASFSHSTSKGYMGECGFRGGYVE<br>VVNMDAAVQQMLKLMSVRLCPPVPGQALLDLVVSPAPTDPSTFAQFQAEKQA<br>VLAELAALKLTEQVFNEAPGISCNPVQGMYSFPRVQLPPRAVERAQLGLAPD<br>MFFCLRLLEETGICVVPVPGSGFGQREGTYHFRMTILPPEKLRLLLEKLSRFHAKFTL<br>EYS |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW</b>                | 58.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Uniprot ID</b>        | <b>P24298</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |