

## Product Datasheet

### Human NPR2 protein (orb244413)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Description</b>       | Recombinant human Atrial natriuretic peptide receptor 2                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Application notes</b> | Extracellular domain of His-SUMO-tag and expression region is 23-458aa                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Sequence</b>  | RNLTAVVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSELEGACS<br>EYLAPLSAVDLKLYHDPDLLLPGPGCVYPAASVARFASHWRLPLLTAGAVASGFSA<br>KNDHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAALLYLDARTDDDRPHYFTIE<br>GVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICGPLEMLHEILLQA<br>QRENLTNGDYVFFYLDVFGESLRAGPTRATGRPWQDNRTREQAQALREAFQTV<br>LVITYREPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGCFYDGILLYAEVLNE<br>TIQEGGTREDGLRIVEKMQGRRYHGVGTGLVVMMDKNNDRETDFVLWAMGD LDS<br>GDFQPAAHYSGAEKQIWWTGRPIPVVKGAPPSDNPPCAFDLDDPSCDKTPLST<br>LAI |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW</b>                | 64.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Uniprot ID</b>        | <b>P20594</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |