

## Product Datasheet

### Human TNF alpha protein (orb180447)

|                          |                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Recombinant human TNF alpha protein                                                                                                                                                                                                   |
| <b>Endotoxins</b>        | Less than 0.1 ng/ug (1 EU/ug)                                                                                                                                                                                                         |
| <b>Preservatives</b>     | Lyophilized from a 0.2 µm filtered solution of 20mM PB <sub>1</sub> 150mM NaCl,pH7.4.                                                                                                                                                 |
| <b>Form/Appearance</b>   | Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl,150mMNaCl,pH8.0.                                                                                                                                                         |
| <b>Storage</b>           | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |
| <b>Tag</b>               | C-His                                                                                                                                                                                                                                 |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                 |
| <b>Application notes</b> | 6His tag at the C-terminus.                                                                                                                                                                                                           |
| <b>Protein Sequence</b>  | Val77-Leu233                                                                                                                                                                                                                          |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                |
| <b>Uniprot ID</b>        | <b>P01375</b>                                                                                                                                                                                                                         |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                        |