

# Recombinant Murine soluble Tumor Necrosis Factor Receptor Type I/TNFRSF1A

#R00250

Size: 5 µg/100 µg/500 µg

## Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

## AA Sequence

IHPSGVTGLVPSLGDREKRDSLCPQGKYVHSKNNSIC  
CTKCHKGTYLVSDCPSPGRDTCRECEKGTFTASQN  
YLRQCLSCKTCRKEMSQVEISPCQADKDTVCGCKEN  
QFQRYLSETHFQCVDCCSPCFNGTVTIPCKETQNTVC  
NCHAGFFLRESECVPCSHCKKNEECMKLCLPPPLAN  
VTNPQDSGTA

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## Product Specification

|                     |                                                                                                                                                                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accession           | P25118                                                                                                                                                                                                                                                                 |
| GeneID              | 21937                                                                                                                                                                                                                                                                  |
| Species             | Murine                                                                                                                                                                                                                                                                 |
| Source              | Escherichia coli.                                                                                                                                                                                                                                                      |
| Molecular Weight    | Approximately 21.1 kDa, a single non-glycosylated polypeptide chain containing 191 amino acids.                                                                                                                                                                        |
| Purity              | > 97 % by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                                                  |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by its ability to inhibit the TNF-α mediated cytotoxicity in the L-929 cells is less than 1 µg/ml, corresponding to a specific activity of > 1000 IU/mg in the presence of 0.1 |

|                                 |                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical Appearance Formulation | ng/mL of rMuTNF-α.<br>Sterile Filtered White lyophilized (freeze-dried) powder.<br>Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4. |
| Endotoxin                       | Less than 0.1 EU/µg of rMusTNF RI/TNFRSF1A as determined by LAL method.                                                                        |