

## Human TRAIL Protein, His tag (Animal-Free)

Cat #: PRP1208

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

|                                                                                   |                                                                 |            |                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|------------|-------------------------------------------|
|                                                                                   | <b>Product Name:</b> Human TRAIL Protein,His tag (Animal-Free)  |            |                                           |
| <b>REF</b>                                                                        | <b>Catalog Number:</b> PRP1208                                  | <b>LOT</b> | <b>Lot Number:</b> Refer to product label |
|                                                                                   | <b>Purity:</b> > 98 % as determined by SDS-PAGE                 |            |                                           |
|  | <b>Storage:</b> Store at -20°C                                  |            | <b>Preparation method:</b> E.coli         |
|                                                                                   | <b>Shipping:</b> The product is shipped at ambient temperature. |            |                                           |

**Background:** Tumor necrosis factor-associated apoptosis-inducing ligand (TRAIL) is a type II membrane protein of the tumor necrosis factor (TNF) family members, moreover, expressed in many adult tissues including the thymus, prostate, colon, ovary and lung. TRAIL induce apoptosis in human breast carcinoma cells (MCF7) and human epitheloid carcinoma (HeLa) cell lines, by activate two death receptors of DR4 and DR5 or two decoy receptors DcR1 and DcR2.

**Sequence:** Amino acid sequence derived from Human TRAIL Protein (Arg115-Gly281) (P50591-1) was expressed with 6×His tag at the C-terminus.

**Protein length:** The recombinant Human TRAIL Protein consists of 167 amino acids and predicts a molecular mass of 20.33 kDa.

**Biological Activity:** Measured by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED<sub>50</sub> for this effect is 10.4-15.4 ng/mL.

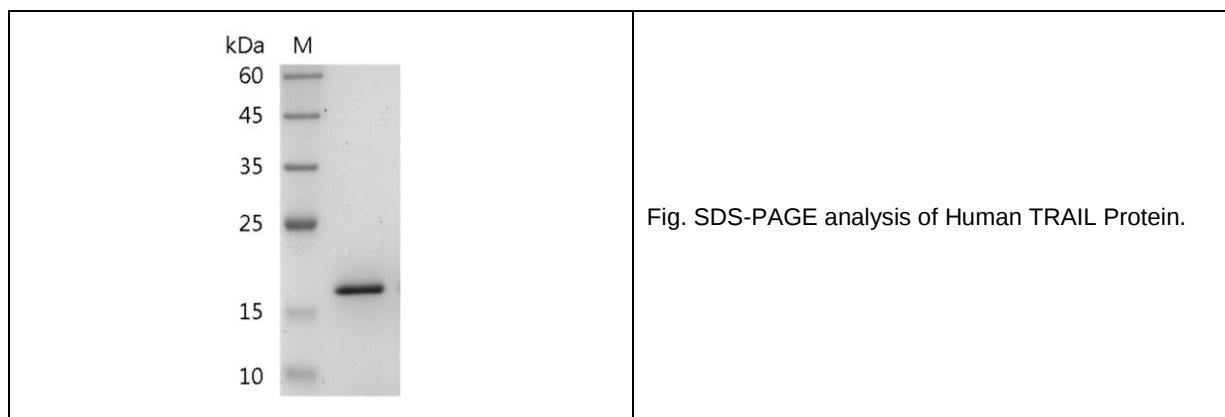
**Endotoxin:** <0.1 EU per 1 µg of the protein by the LAL method.

**Formulation:** Lyophilized from PBS, pH 8.0.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully

dissolve. Please avoid vortex vigorously.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.