


## Human TRAIL protein

Cat #: PRP1028

Size: 10 µg/50 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human TRAIL protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1028	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> >92 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> <i>E. coli</i>
	<b>Shipping:</b> The product is shipped at below ambient temperature.		

**Background:** The protein encoded by Tumor necrosis factor-related apoptosis inducing ligand (TRAIL) is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

**Sequence:** Amino acid sequence derived from human TRAIL isoform (P50591-1) (Val114-Gly281) was expressed.

**Protein length:** The recombinant human TRAIL consists of 168 amino acids and has a predicted molecular mass of 19.5 kDa.

**Biological Activity:** Measured by its ability to induce cytotoxicity in the presence of the metabolic inhibitor actinomycin D. The ED<sub>50</sub> for this effect is 26.27 ng/mL.

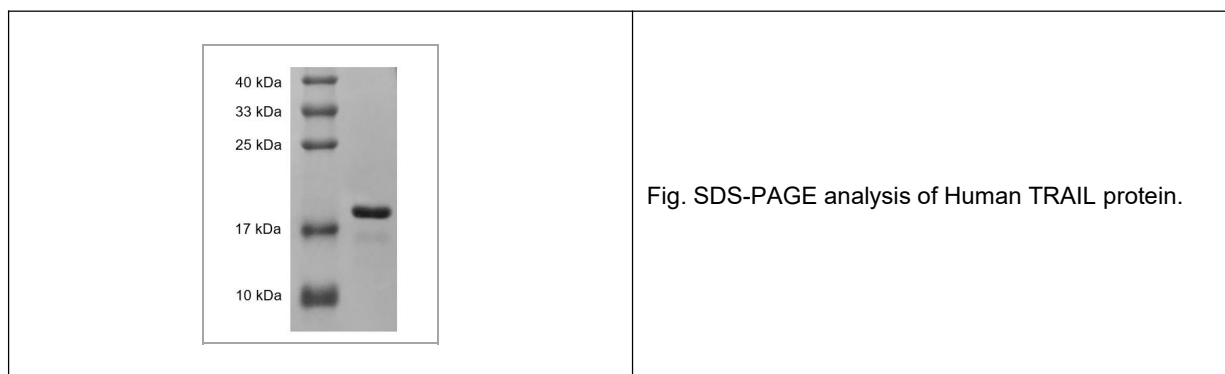
**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH 8.0.

**Storage Instructions:** Lyophilized Human TRAIL protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human TRAIL

protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



**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.