

# Human TRAIL Recombinant Protein



RPPB1054

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## Product Information    Protein Information

**Product SKU:**

RPPB1054

**Accession:**

P50591

**Host:**

Escherichia Coli.

**Protein description:**

TRAIL/APO 2 Ligand Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (Met+Arg115-Gly281) and having a molecular mass of ~21kDa. The sTRAIL is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Tumor necrosis factor ligand superfamily member 10, TNF-related apoptosis-inducing ligand, Protein TRAIL, Apo-2 ligand, Apo-2L, CD253 antigen, TL2, APO2L, TNFSF10.

**Formulation:**

Lyophilized from a filtered (0.2µm) solution containing 20mM Tris-HCl pH 8.0 and 150mM NaCl.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized TRAIL in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized APO 2 Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TRAIL 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY  
IYSQTYFRFQ EEIKENTKND KQMVQYIYKY TSYPDPILLM KSARNSCWSK DAEYGLYSIY QGGIFELKEN  
DRIFVSVTNE HLIDMDHEAS FFGAFLVG.

**Biological Activity:**

The activity is determined by the cytolysis of Murine L929 cells in the presence of Actinomycin D, ED50 for this effect is less than 2ng/ml, corresponding to a specific activity of 5,000,000IU/mg.