

## Human TRAIL soluble / Apo-2 Ligand

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.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
10 µg	1980.950.010		
50 µg	1980.950.050		
1 mg	1980.950.199		

Please enquire for bulk quantities and other vial sizes

### 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.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a filtered (0.2µm) solution containing 20mM Tris-HCl pH 8.0 and 150mM NaCl\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The activity is determined by the cytolysis of Murine L929 cells in the presence of Actinomycin D, ED<sub>50</sub> for this effect is less than 2ng/ml, corresponding to a specific activity of 5,000,000IU/mg.

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### 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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

MRERGPQRVA AHITGTRGRS NTLSSPNSKN EKALGRKINS WESSRSGHSF LSNLHLRNGE LVIHEKGFYY  
 IYSQTYFRFQ EEIKENTKND QQMVQYIYKY TSYDPILLM KSARNSCWSK DAEGLYSIY QGGIFELKEN  
 DRIFVSVTNE HLIDMDHEAS FFGAFLVG

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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