



Catalog Number: PR27058

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Arg-Glu-Arg-Gly-Pro.

Description/Molecular Mass: Soluble TNF-related apoptosis-inducing ligand Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 168 amino acids and having a molecular mass of 19.6 kDa. TRAIL is purified by proprietary chromatographic techniques.

Biological Activity: The activity is determined by the ability to induce apoptotic cell death in TRAIL-sensitive U343MG cells, ED₅₀ for this effect is 1-3 ng/ml.

Purity: Greater than 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: Lyophilized from a concentrated solution (1mg/ml) contains 150mM NaCl, and 50mM sodium phosphate, pH 7.4.

Reconstitution: It is recommended to reconstitute the lyophilized TRAIL in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: 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 freeze-thaw cycles.

FOR RESEARCH USE ONLY

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