



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Recombinant Human TRAIL/Apo 2 Ligand

**Catalog No.**  
MD-14-0257P

**Source**  
*E.coli*

## Description

Recombinant Human TRAIL (TNF-Related Apoptosis Inducing Ligand)/Apo 2 Ligand). Recombinant Human soluble TRAIL is a single, non-glycosylated polypeptide chain containing 168 amino acids and having a molecular weight of 19.6 kDa. The sequence of the first five N-terminal amino acids was determined to be Arg-Glu-Arg-Gly-Pro. MD-14-0257P contains less than 1% dimers and aggregates.

## Preparation

**Purification:** >97% pure (HPLC, FPLC and reducing and non-reducing SDS-PAGE). Endotoxin level is less than 0.1ng/ug (IEU/ug). Chromatographic techniques. Product is sterile filtered.

## Formulation

**Format:** Purified, Lyophilized  
**Reconstitution:** Reconstitute using sterile deionized water to a concentration  $\geq 100\mu\text{g/ml}$ . Further dilutions can be made in other aqueous buffers.  
**Concentration:** 1mg/ml (OD280nm) (prior to lyophilization)  
**Buffer:** Lyophilized from 50mM Sodium phosphate, pH 7.4 containing 150mM Sodium chloride  
**Preservative:** None

## Applications

The activity is determined by the ability to induce apoptotic cell death in TRAIL-sensitive U343MG cells.  $\text{ED}_{50}$  for this effect is 1–3ng/ml. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

## Inactivation

Not Applicable

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Storage**

The lyophilized product, though stable for 3 weeks at room temperature, is best stored at -20°C. After reconstitution, short term (up to 1 week) store at 2–8°C. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

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