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## Product Data Sheet

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Product Name: TRAIL Mouse  
 Cat. No.: GP21030  
 Batch No.: 1

### Product Data

Purity	Greater than 95.0% as determined by:	Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	MPRGGRPQKV AAHITGITRR SNSALIPISK DGKTLGQKIE SWESSRKGHS FLNHVLFNRNG ELVIEQEGLY YIYSQTYFRF QEAEDASKMV SKDKVRTKQL VQYIYKYTSY PDPIVLMKSA RNSCWSRDAE YGLYSIQGG LFELKKNDR FVSVTNEHLM DLDQEASFFG AFLIN		
Solubility	It is recommended to reconstitute the lyophilized TRAIL Mouse Recombinant in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized containing PBS, pH 7.4, and 3mM DTT.		

### Introduction

TNF-related apoptosis-inducing ligand (TRAIL) is a ligand molecule which induces apoptosis. It is a type II transmembrane protein with homology to other members of the tumor necrosis factor family.

### Biological Activity

Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by a cytotoxicity assay using murine L929 cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2,000,000 IU/mg in the presence of actinomycin D.

### Stability

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Lyophilized TRAIL although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TRAIL recombinant should be stored at 4C between 2-7 days and for future use below -18C.

### Background

TRAIL Recombinant Mouse produced in E.coli is a single, non-glycosylated polypeptide chain containing 175 amino acids and having a molecular mass of 20.2kDa.

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