9051 Mira Mesa Blvd, #910094
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TRAIL Mouse

TNF-Related Apoptosis Inducing Ligand/Apo2L Mouse Recombinant
CYK0613

Product Overview

Name	TRAIL Mouse
Description	
TNF-Related Apoptosis Inducing Ligand/Apo2L Mouse Recombinant	
Accession (Primary)	P50592
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.	
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. In humans, the gene that encodes for TRAIL is located at chromosome 3q26. TRAIL binds to the death receptors, DR4 and DR5. The process of apoptosis is caspase-8-dependent. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized containing PBS, pH 7.4, and 3mM DTT.	
Stability	
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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MPRGGRPQKV AAHITGITRR SNSALIPISK DGKTLGQKIE SWESSRKGHS FLNHVLFRNG ELVIEQEGLY YIYSQTYFRF QEAEDASKMV SKDKVRTKQL VQYIYKYTSY PDPIVLMKSA RNSCWSRDAE YGLYSIYQGG	

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LFELKKNDRI FVSVTNEHLM DLDQEASFFG AFLIN

Biological Activity

Fully biologically active when compared to standard. The ED50 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.

Solubility

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

Precautions

TRAIL Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P50592)