

TNF-Related Apoptosis Inducing Ligand/Apo2L Mouse Recombinant

Item Number	rAP-0784
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.
Description	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.
Uniprot Accession Number	P50592
Amino Acid Sequence	MPRGGRPQKV AAHITGITRR SNSALIPISK DGKTLGQKIE SWESSRKGHS FLNHVLFNRNG ELVIEQEGLY YIYSQTYFRF QEAEDASKMV SKDKVVRTKQL VQYIYKYTSY PDPIVLMKSA RNSCWSRDAE YGLYSIQGG LFELKKNDRI FVSVTNEHLM DLDQEASFFG AFLIN
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized containing PBS, pH 7.4, and 3mM DTT. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TRAIL Mouse Recombinant in sterile 18M?-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**