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32-1821: mTRAIL Recombinant Protein

Alternative Name : 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

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized containing PBS, pH 7.4, and 3mM DTT.
Storage condition :	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.
Amino Acid :	MPRGGRPQKV AAHITGITRR SNSALIPISK DGKTLGQKIE SWESSRKGHS FLNHVLFRNG ELVIEQEGLY YIYSQTYFRF QEAEDASKMV SKDKVRTKQL VQYIYKYTSY PDPIVLMKSA RNSCWSRDAE YGLYSIYQGG LFELKKNDRI FVSVTNEHLM DLDQEASFFG AFLIN

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.