TRAIL/TNFSF10/TL2/Apo2L/CD253, Mouse, Recombinant

Cat. No. : PCK313

General Information

Synonyms	TNFSF10;Apo2 Ligand;TL2;Apo2L;CD253
Species	Mouse
Expression host	E.coli
Sequence	MPRGGRPQKVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGHSFLNHVLFRNGELVIE QEGLYYIYSQTYFRFQEAEDASKMVSKDKVRTKQLVQYIYKYTSYPDPIVLMKSARNSCWSRD AEYGLYSIYQGGLFELKKNDRIFVSVTNEHLMDLDQEASFFGAFLIN with polyhistidine tag at the C-terminus.
Accession	P50592.1
Tag	His-tag at the C-terminus
Mol mass	21 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 1 ng/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

TRAIL acts as a cytotoxic protein, through activating rapid apoptosis in tumor cells (not in normal cells). TRAIL conducts apoptosis through binding to DR4 and DR5, which are two death-signaling receptors belonging to the TNFR superfamily of transmembrane proteins. These receptor contain a cytoplasmic "death domain", which can initiate the cell's apoptotic process.

SDS-PAGE