

Active Recombinant Mouse TRAIL Protein, His-Tagged

Cat. No. TRAIL-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TRAIL Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	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.
Form	Lyophilized powder
AA Sequence	MPRGGRPQKVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGHSFLNHVLFRR NGELVIEQEGLYYIYSQTYFRFQEAEDASKMVSKDK VRTKQLVQYIYKYTSYPDPVILMKSARNSCWSRDAEYGLYSIQGGLFELKKNDRIFV SVTNEHLMDLDQEASFFGAFLIN with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
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.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

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Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

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