

Active Recombinant Mouse Tnfsf10 Protein

Cat. No. Tnfsf10-6550M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse tumor necrosis factor (ligand) superfamily, member 10 (Tnfsf10) without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.
Bio-activity	Assay#1: Determined by the dose-dependent stimulation of MIP-2 production by mouse spleen cells using a concentration range of 10-100 ng/mL. Assay#2: Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expected ED50 for this effect is 40.0-60.0 ng/mL.
Molecular Mass	20 kDa
AA Sequence	MRGGRPQKVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGHSFLNHVLF RNGELVIEQEGLYYIYSQTYFRFQEAEDASKMVSKDKVVRTKQLVQYIYKYTSYPDP IVLMKSARNSCWSRDAEYGLYSIQGGLFELKKNDRI FVSVTNEHLMDL DQEASFFGAF LIN

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Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)
Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20 mM pH 7.2 phosphate buffer, 100 mM NaCl, pH 7.2

GENE INFORMATION

Gene Name	Tnfsf10 tumor necrosis factor (ligand) superfamily, member 10 [Mus musculus (house mouse)]
Official Symbol	Tnfsf10
Synonyms	TNFSF10; tumor necrosis factor (ligand) superfamily, member 10; tumor necrosis factor ligand superfamily member 10; TRAIL/APO2L; TNF-related apoptosis inducing ligand; TNF-related apoptosis-inducing ligand; TL2; Ly81; Trail; APO-2L; AI448571; A330042I21Rik
Gene ID	22035
mRNA Refseq	NM_009425
Protein Refseq	NP_033451
UniProt ID	P50592

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