

## Active Recombinant Mouse Tnfsf10 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse tumor necrosis factor (ligand) superfamily, member 10 (Tnfsf10) without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	20 kDa
<b>AA Sequence</b>	MRGGRPQKVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGHSFLNHVLF RNGELVIEQEGLYYIYSQTYFRFQEAEDASKMVSKDKVVRTKQLVQYIYKYTSYPDP IVLMKSARNSCWSRDAEYGLYSIQGGLFELKKNDRIFVSVTNEHLMDLQDEASFFGAF LIN

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

## GENE INFORMATION

<b>Gene Name</b>	Tnfsf10 tumor necrosis factor (ligand) superfamily, member 10 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Tnfsf10
<b>Synonyms</b>	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
<b>Gene ID</b>	22035
<b>mRNA Refseq</b>	NM_009425
<b>Protein Refseq</b>	NP_033451
<b>UniProt ID</b>	P50592

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