

Recombinant Mouse Tnfrsf10b

Cat. No. Tnfrsf10b-178M **Lot. No.** (See product label)

SPECIFICATION

Species	Mouse
Source	Sf21 Cells
Description	Tumor necrosis factor-related apoptosis-inducing ligand Receptor 2 (TRAIL-R2) is a cell-surface receptor involved in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced cell-death signaling. The death ligand TRAIL bears high potential as a new anticancer agent, as binding to the death receptors TRAIL-R1 or TRAIL-R2 triggers apoptosis in most cancer cells. TRAIL-R2 has been shown to be associated with a decrease in the survival rates of breast cancer patients.
Molecular Weight	The predicted molecular weight of Recombinant Mouse TRAIL R2 is Mr 40 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 49 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

Gene Name	Tnfrsf10b tumor necrosis factor receptor superfamily, member 10b [Mus musculus]
Synonyms	Tnfrsf10b; tumor necrosis factor receptor superfamily, member 10b; MK; DR5; Ly98; KILLER; TRICKB; TRAILR2; TRICK2A; TRICK2B
Gene ID	21933
mRNA Refseq	NM_009379
Protein Refseq	NP_033405
UniProt ID	P40226
Chromosome Location	14 D2
Pathway	Apoptosis; Cytokine-cytokine receptor interaction; Natural killer cell mediated cytotoxicity
Function	TRAIL binding; caspase activator activity; protein binding; receptor activity

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