

Active Recombinant Human TNFRSF10B Protein

Cat. No. TNFRSF10B-15H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF10B Protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 6 ng/mL, measured in a cell proliferation assay using RPMI-8226 cells in the presence of 25 ng/mL of human TRAIL.
Molecular Mass	~15 kDa, observed by reducing SDS-PAGE.
AA Sequence	ALITQQDLAPQQRAAPQQKRSSPSEGLCPPGHISEDGRDCISCKYQQDYSTHWN DLLFCLRCTRCDSEVELSPCTTTRNTVCQCEEGTFREEDSPEMCRKCRTGCPRG MVKVGDCTPWSDIECVHKE

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	Lyophilized recombinant Human TRAIL Receptor-2 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human TRAIL Receptor-2 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	TNFRSF10B TNF receptor superfamily member 10b [Homo sapiens (human)]
Official Symbol	TNFRSF10B
Synonyms	TNFRSF10B; TNF receptor superfamily member 10b; DR5; CD262; KILLER; TRICK2; TRICKB; ZTNFR9; TRAILR2; TRICK2A; TRICK2B; TRAIL-R2; KILLER/DR5; tumor necrosis factor receptor superfamily member 10B; Fas-like protein; TNF-related apoptosis-inducing ligand receptor 2; apoptosis inducing protein TRICK2A/2B; apoptosis inducing receptor TRAIL-R2; cytotoxic TRAIL receptor-2; death domain containing receptor for TRAIL/Apo-2L; death receptor 5; p53-regulated DNA damage-inducible cell death receptor(killer); tumor necrosis factor receptor superfamily, member 10b; tumor necrosis factor receptor-like protein ZTNFR9
Gene ID	8795
mRNA Refseq	NM_003842

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Protein Refseq NP_003833

MIM 603612

UniProt ID Q7Z2I8

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