

Recombinant Human TNFRSF10B, Fc-tagged

Cat. No. TNFRSF10B-28130TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fusion protein comprising the extracellular region (amino acids 1/182) of Human DR5 and Fc portion of human IgG1. Produced in HEK 293 cells.
Species	Human
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.
Conjugation	Fc
Tissue specificity	Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLa S3, K562, HL-60, SW480, A549 and G361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, p
Form	Lyophilised: Reconstitute with 50 µl sterile deionized water. For long term storage or for preparation of more diluted working stock solution, a carrier protein (e.g. 1% serum albumin) should be added to the vial.
Purity	Protein A purified

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Storage buffer	Preservative: None Constituents: PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 1 death domain. Contains 3 TNFR-Cys repeats.
GENE INFORMATION	
Gene Name	TNFRSF10B tumor necrosis factor receptor superfamily, member 10b [Homo sapiens]
Official Symbol	TNFRSF10B
Synonyms	TNFRSF10B; tumor necrosis factor receptor superfamily, member 10b; tumor necrosis factor receptor superfamily member 10B; CD262; DR5; KILLER; TRAIL R2; TRICK2A; TRICKB;
Gene ID	8795
mRNA Refseq	NM_003842
Protein Refseq	NP_003833
MIM	603612
Uniprot ID	O14763
Chromosome Location	8p22-p21

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Pathway

Activation of Pro-Caspase 8, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem;

Function

TRAIL binding; cysteine-type endopeptidase activator activity involved in apoptotic process; protein binding; receptor activity;

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