

Recombinant Human TNFRSF10B, Fc-tagged

Cat. No. TNFRSF10B-27023TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant fragment corresponding to amino acids 52-212 of Human DR5 fused to the Fc portion of Human IgG1; MWt 50 kDa .

Species Human

Source HEK293

ProteinLength 161 amino acids

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

Molecular Weight 50.000kDa inclusive of tags

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

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Biological activity	Blocks Human or Mouse TRAIL activity in a concentration of 1-10µg/ml. Binds to Human and Mouse TRAIL.
Form	Lyophilised:Reconstitute with 50µl sterile water to give a final concentration of 1mg/ml.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS
Storage	Store at -20°C, Stable for 6 months at -20°C
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
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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