

Active Recombinant Human TNFRSF10B, Fc-tagged, Biotinylated

Cat. No. TNFRSF10B-598H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human DR5-Fc fusion is expressed as a 381 amino acid protein consisting of Ile56 - Pro208 region of DR5 (UniProt accession #O14763) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	56-208 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand human TRAIL and inhibits TRAIL-mediated signaling activity including TRAIL--induced cytotoxicity in L-929 mouse fibroblast cells.
Molecular Mass	Calculated molecular mass (kDa): 42.3; Estimated by SDS-PAGE under reducing condition (kDa): 50-55
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

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; Fas-like protein; death receptor 5; cytotoxic TRAIL receptor-2; apoptosis inducing receptor TRAIL-R2; apoptosis inducing protein TRICK2A/2B; TNF-related apoptosis-inducing ligand receptor 2; death domain containing receptor for TRAIL/Apo-2L; tumor necrosis factor receptor-like protein ZTNFR9; p53-regulated DNA damage-inducible cell death receptor(killer); TRICK2; ZTNFR9; TRAILR2; TRICK2B; TRAIL-R2; KILLER/DR5;

Gene ID 8795

mRNA Refseq NM_003842

Protein Refseq NP_003833

MIM 603612

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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; Caspase-8 is formed from procaspase-8, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Function	TRAIL binding; protein binding; receptor activity;

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