

Active Recombinant Human TNFRSF10A, Fc-tagged, Biotinylated

Cat. No. TNFRSF10A-597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human DR4-Fc fusion is expressed as a 445 amino acid protein consisting of Ala24 - Asn239 region of DR4 (UniProt accession #O00220) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Source	Human cells
Species	Human
Tag	Fc
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): 48.5; 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

 Tel: 1-631-559-9269 1-516-512-3133

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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.

GENE INFORMATION

Gene Name	TNFRSF10A tumor necrosis factor receptor superfamily, member 10a [Homo sapiens]
Official Symbol	TNFRSF10A
Synonyms	TNFRSF10A; tumor necrosis factor receptor superfamily, member 10a; tumor necrosis factor receptor superfamily member 10A; Apo2; CD261; DR4; TRAILR 1; TRAIL-R1; TRAIL receptor 1; death receptor 4; cytotoxic TRAIL receptor; TNF-related apoptosis-inducing ligand receptor 1; tumor necrosis factor receptor superfamily member 10a variant 2; APO2; TRAILR1; TRAILR-1; MGC9365;
Gene ID	8797
mRNA Refseq	NM_003844
Protein Refseq	NP_003835
MIM	603611
UniProt ID	O00220
Chromosome Location	8p21
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine-

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cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Direct p53 effectors, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem;

Function

TRAIL binding; death receptor activity; protein binding; receptor activity; transcription factor binding;

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