

# Active Recombinant Human TNFRSF10A, Fc-tagged, Biotinylated

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Source</b>	Human cells
<b>Species</b>	Human
<b>Tag</b>	Fc
<b>Form</b>	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).
<b>Bio-activity</b>	Binds to its ligand human TRAIL and inhibits TRAIL-mediated signaling activity including TRAIL-induced cytotoxicity in L-929 mouse fibroblast cells.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 48.5; Estimated by SDS-PAGE under reducing condition (kDa): 50-55
<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition
<b>Storage</b>	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  $-20^{\circ}\text{C}$  for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at  $4^{\circ}\text{C}$  for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

Gene Name	TNFRSF10A tumor necrosis factor receptor superfamily, member 10a [ <i>Homo sapiens</i> ]
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;
<b>Function</b>	TRAIL binding; death receptor activity; protein binding; receptor activity; transcription factor binding;