

## Recombinant Human TNFRSF10A, Fc-tagged

**Cat. No.** TNFRSF10A-27024TH **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fusion protein comprising the extracellular domain (aa 1/238) of Human DR4 and Fc portion of human IgG1. Produced in HEK 293 cells.
<b>Species</b>	Human
<b>Description</b>	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.
<b>Conjugation</b>	Fc
<b>Tissue specificity</b>	Widely expressed. High levels are found in spleen, peripheral blood leukocytes, small intestine and thymus, but also in K562 erythroleukemia cells, MCF7 breast carcinoma cells and activated T-cells.
<b>Form</b>	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. After reconstitution short term store at 4
<b>Purity</b>	Protein A purified
<b>Storage buffer</b>	Preservative: None Constituents: PBS

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**Storage** Store at +4°C short term (1-2 weeks). 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** 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;

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

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**Function**

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

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