

Recombinant Human TNFRSF10A, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant fusion protein comprising the extracellular domain (aa 1/238) of Human DR4 and Fc portion of human IgG1. Produced in HEK 293 cells.
Species	Human
Description	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.
Conjugation	Fc
Tissue specificity	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.
Form	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
Purity	Protein A purified
Storage buffer	Preservative: None Constituents: PBS

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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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