

Active Recombinant Human TNFRSF12A, Fc-tagged, Biotinylated

Cat. No. TNFRSF12A-709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human TWEAKR-Fc fusion is expressed as a 281 amino acid protein consisting of Glu28- Pro80 region of TWEAKR (UniProt accession #Q9NP84) 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 TWEAK/TNFSF12 and inhibits TWEAK-mediated signaling activities including TWEAK--induced apoptosis in HT-29 human colon cancer cells and proliferation of human umbilical vein endothelial cells (HUVECs).
Molecular Mass	Calculated molecular mass (kDa): 31.1; Estimated by SDS-PAGE under reducing condition (kDa): ~40
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
Purity	>95% judged by SDS-PAGE under reducing condition.

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Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before 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	TNFRSF12A tumor necrosis factor receptor superfamily, member 12A [Homo sapiens]
Official Symbol	TNFRSF12A
Synonyms	TNFRSF12A; tumor necrosis factor receptor superfamily, member 12A; tumor necrosis factor receptor superfamily member 12A; CD266; FN14; TweakR; tweak-receptor; FGF-inducible 14; type I transmembrane protein Fn14; fibroblast growth factor-inducible immediate-early response protein 14; TWEAKR;
Gene ID	51330
mRNA Refseq	NM_016639
Protein Refseq	NP_057723
MIM	605914
UniProt ID	Q9NP84
Chromosome Location	16p13.3
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine

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receptor interaction, conserved biosystem;

Function

protein binding; receptor activity;

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