

Active Recombinant Human TNFRSF12A, Fc-tagged, Biotinylated

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

SPECIFICATION

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|-------------------------|---|
| 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

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|----------------------------|---|
| 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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