

Active Recombinant Human TNFRSF1A, Fc-tagged, Biotinylated

Cat. No. TNFRSF1A-707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human TNFR1-Fc fusion is expressed as a 416 amino acid protein consisting of Ile22 - Thr211 region of TNFR1 (UniProt accession #P19438) and a C-terminal Fc from human IgG1, which exists as a dimer/tetramer/oligomer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	22-211 a.a.
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 TNF and inhibits TNF-mediated biological activities including NF-κB activation and cytotoxicity in the mouse L929 fibrosarcoma cells.
Molecular Mass	Calculated molecular mass (kDa): 46.6; Estimated by SDS-PAGE under reducing condition (kDa): 55-60
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.

Conjugation Biotin

GENE INFORMATION

Gene Name TNFRSF1A tumor necrosis factor receptor superfamily, member 1A [Homo sapiens]

Official Symbol TNFRSF1A

Synonyms TNFRSF1A; tumor necrosis factor receptor superfamily, member 1A; TNFR1; tumor necrosis factor receptor superfamily member 1A; CD120a; TNF R; TNF R I; TNF R55; TNFAR; TNFR60; TNF-R1; TNF-RI; TNFR-I; tumor necrosis factor-alpha receptor; tumor necrosis factor receptor type 1; tumor necrosis factor binding protein 1; tumor necrosis factor receptor 1A isoform beta; FPF; p55; p60; TBP1; TNF-R; p55-R; TNFR55; TNF-R-I; TNF-R55; MGC19588;

Gene ID 7132

mRNA Refseq NM_001065

Protein Refseq NP_001056

MIM 191190

UniProt ID P19438

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Chromosome Location	12p13.2
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem;
Function	protease binding; protein binding; receptor activity; tumor necrosis factor binding; tumor necrosis factor-activated receptor activity;

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