

Recombinant Human TNFRSF1A therapeutic protein

Cat. No. TNFRSF1A-P018H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human tumor necrosis factor receptor therapeutic protein is a soluble tumor necrosis factor receptor. It is a PEGylated protein. Recombinant Human tumor necrosis factor receptor therapeutic protein(PEG sTNF-RI - an anti-TNF-alpha agent) is developed for the treatment of rheumatoid arthritis. It is an E. coli-derived truncated form of the soluble TNF p55 type I receptor, pegylated at the amino terminus.
Species	Human
Source	E.coli
Description	This gene encodes a member of the TNF receptor superfamily of proteins. The encoded receptor is found in membrane-bound and soluble forms that interact with membrane-bound and soluble forms, respectively, of its ligand, tumor necrosis factor alpha. Binding of membrane-bound tumor necrosis factor alpha to the membrane-bound receptor induces receptor trimerization and activation, which plays a role in cell survival, apoptosis, and inflammation. Proteolytic processing of the encoded receptor results in release of the soluble form of the receptor, which can interact with free tumor necrosis factor alpha to inhibit inflammation. Mutations in this gene underlie tumor necrosis factor receptor-associated periodic syndrome (TRAPS), characterized by fever, abdominal pain and other features. Mutations in this gene may also be associated with multiple sclerosis in human patients.
Endotoxin	< 0.1 EU per µg of the protein

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Purity >94%

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

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

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(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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