

Recombinant Human TNFRSF1A protein, His & GST-tagged

Cat. No. TNFRSF1A-7048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF1A aa. (Thr60~Tyr236 (Accession # P19438)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr60~Tyr236
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.9kDa

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TNFRSF1A TNF receptor superfamily member 1A [Homo sapiens (human)]
Official Symbol	TNFRSF1A
Synonyms	TNFRSF1A; TNF receptor superfamily member 1A; FPF; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55; tumor necrosis factor receptor superfamily member 1A; TNF-R1; TNF-R1; TNFR-I; tumor necrosis factor binding protein 1; tumor necrosis factor receptor 1A isoform beta; tumor necrosis factor receptor type 1; tumor necrosis factor-alpha receptor

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Gene ID 7132

mRNA Refseq NM_001065.3

Protein Refseq NP_001056.1

UniProt ID P19438

SDS-PAGE

