Recombinant Human TNFRSF1A Protein, Fc-tagged

Cat. No. TNFRSF1A-457H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF1A protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	455
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	Lyophilized
AA Sequence	MGLSTVPDLLLPLVLLELLVGIYPSGVIGLVPHLGDREKRDSVCPQGKYIHPQNNSIC CTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCLSCSKCRKEMGQV EISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCT

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	CHAGFFLRENECVSCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGLCLL SLLFIGLMYRYQRWKSKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFTPTL GFSPVPSSTFTSSSTYTPGDCPNFAAPRREVAPPYQGADPILATALASDPIPNPLQK WEDSAHKPQSLDTDDPATLYAVVENVPPLRWKEFVRRLGLSDHEIDRLELQNGRCL REAQYSMLATWRRRTPRREATLELLGRVLRDMDLLGCLEDIEEALCGPAALPPAPSL LR
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

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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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