

# Recombinant Human TNFRSF1A Protein, His-tagged

**Cat. No.** TNFRSF1A-456H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant human TNFRSF1A protein with His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MGLSTVPDLLLPLVLLELLVGIYPSGVIGLVPHLGDREKRDSVCPQGKYIHPQNNSIC<br>CTKCHKGTYLYNDCPGPGQDTCRECESGSFTASENHLRHCLSCSKCRKEMGQV<br>EISSCTVDRDTCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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CHAGFFLRENECVSCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGGLCLL  
 SLLFIGLMYRYQRWWSKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFTPTL  
 GFSPVPSSTFTSSSTYTPGDCPNFAAPRREVAPPYQGADPILATALASDPIPNNPLQK  
 WEDSAHKPQSLDTPATLYAVVENVPPLRWKEFVRRLGLSDHEIDRLELQNGRCL  
 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 H<sub>2</sub>O 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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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | <a href="#">TNFRSF1A</a>                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | <a href="#">7132</a>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | <a href="#">NM_001065</a>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | <a href="#">NP_001056</a>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>             | <a href="#">191190</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>      | <a href="#">P19438</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |

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