

Active Recombinant Human TNFRSF1A Protein

Cat. No. TNFRSF1A-252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF1A Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Tumor necrosis factor receptor type 1 (TNFR1) is expressed in most tissues and is activated by soluble and membrane-bound tumor necrosis factor alpha (TNFα). TNFR1 activates NF-κB and MAPK pathways to induce inflammation, promote apoptotic cell death, inhibit tumorigenesis, and inhibit viral replication.
Bio-activity	Neutralization of human TNF alpha induced L929 cell cytolysis, ≤100 ng/mL
Molecular Mass	Monomer, 18.3 kDa (162 aa)
AA Sequence	MDSVCPQGKYIHPQNNSICCTKCHKGTLYNDCPGPGQDTCRECESGSFTASEN HLRHCLSCSKCRKEMGQVEISSCTVDRDTCGCRKNQYRHYWSENLFQCFNCSLC LNGTVHLSCQEKGQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed.

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	3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

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

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mRNA Refseq	NM_001065
Protein Refseq	NP_001056
MIM	191190
UniProt ID	P19438

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