

Active Recombinant Human TNFRSF1A Protein

Cat. No. TNFRSF1A-203T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF1A Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	TNF Receptor Type I, is also known as TNF R-p55/p60 and TNFRSF1A. It is a type I transmembrane protein member of the TNF receptor superfamily. It is expressed in most cell types. Binding of either TNF- α or TNF- β to TNF-R1 initiates a signal transduction pathway that results in the activation of the transcription factor NF- κ B, whose target genes are involved in the regulation of inflammatory responses, and, in certain cells, induce apoptosis. TNF-R1 is essential for proper development of lymph node germinal centers and Peyer's patches and for combating intracellular pathogens such as Listeria. It is stored in the Golgi and translocates to the cell surface following proinflammatory stimuli.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 50 ng/mL, measured in a cell proliferation assay using 929 cells in the presence of 1 ng/mL human TNF- α .
Molecular Mass	28~35 kDa, observed by reducing SDS-PAGE.
AA Sequence	DSVCPQGKYIHPQNNISICCTKCHKGTLYNDPCPGPGQDTCRECESGSFTASENHL RHCLSCSKCRKEMGQVEISSCTVDRDTCVCGCRKNQYRHYWSENLFQCFNCSLCLN

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	GTVHLSCQEKQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human TNF Receptor Type I remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human TNF Receptor Type I should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

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

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Protein Refseq	NP_001056
MIM	191190
UniProt ID	P19438

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