

Recombinant Mouse Tnfrsf1a Protein

Cat. No. Tnfrsf1a-141M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse tumor necrosis factor receptor superfamily, member 1a (Tnfrsf1a) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
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. Mice lacking a functional copy of this gene exhibit impaired immune function.
Molecular Mass	21.2 kDa
AA Sequence	MIHPSGVTGLVPSLGDREKRDSLCPQGKYVHSKNNSICCTKCHKGTYLVSDCPSPG RDTVCRECEKGTFTASQNYLRQCLSCKTCRKEMSQVEISPCQADKDTVCGCKENQ FQRYLSETHFQCVCDCSPCFNGTVTIPCKETQNTVCNCHAGFFLRESECVPCSHCKK NEECMKLCLPPPLANVTNPQDSGTA
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)

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Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	Tnfrsf1a tumor necrosis factor receptor superfamily, member 1a [Mus musculus (house mouse)]
Official Symbol	Tnfrsf1a
Synonyms	Tnfrsf1a; tumor necrosis factor receptor superfamily, member 1a; FPF; p55; TNF-R; TNFAR; TNFRI; Tnfr1; p55-R; CD120a; TNF-R1; TNFR60; Tnfr-2; TNF-R-I; TNF-R55; TNFRp55; TNF-alphaR1; TNFalpha-R1; tumor necrosis factor receptor superfamily member 1A; TNF receptor alpha chain; TNF-RI; TNF-alpha-R1; TNFR-I; p60; tumor necrosis factor receptor 1; tumor necrosis factor receptor type I
Gene ID	21937
mRNA Refseq	NM_011609

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Protein Refseq	NP_035739
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UniProt ID	P25118
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