

## Product datasheet for **TP720987XL**

### **Tnfrsf1a (NM\_011609) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse tumor necrosis factor receptor superfamily, member 1a (Tnfrsf1a)
<b>Species:</b>	Mouse
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Ile22-Ala212
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	21.2 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
<b>Reconstitution Method:</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_035739</a>
<b>Locus ID:</b>	21937
<b>UniProt ID:</b>	<a href="#">P25118</a> , <a href="#">Q3U479</a>
<b>RefSeq Size:</b>	2186
<b>Cytogenetics:</b>	6 59.32 cM
<b>RefSeq ORF:</b>	1362
<b>Synonyms:</b>	CD120; CD120a; FPF; p5; p55; p55-R; TN; Tnf; TNF-; TNF-a; TNF-alphaR1; TNF-R; TNF-R-I; TNF-R1; TNF-R55; TNFal; TNFalpha-R1; TNFAR; TNFR; Tnfr-2; Tnfr1; TNFR60; TNFRI; TNFRp55



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**Summary:**

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. [provided by RefSeq, Sep 2016]