

## Product datasheet for **TP723782**

### II17a (NM\_010552) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse interleukin 17A and 17F (II17a / II17f) heterodimer
<b>Species:</b>	Mouse
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Mouse IL-17A, the region of Ala26-Ala158, from gene Accession# NM_010552 and mouse IL-17F, the region of Arg29-Ala161, from gene Accession# NM_145856
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	30 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>98%, as determined by Coomassie stained SDS-PAGE.
<b>Buffer:</b>	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 0.15 M NaCl, pH7.2
<b>Bioactivity:</b>	The ED <sub>50</sub> is 125 - 175 ng/ml, corresponding to a specific activity 0.57 - 0.8 x 10 <sup>4</sup> units/mg, determined by a dose dependent stimulation of fetal mouse skin fibroblasts production of IL-6.
<b>Endotoxin:</b>	Less than 0.1 EU/μg (<0.01 ng/μg) protein as determined by the LAL method
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_034682</a></u>
<b>Locus ID:</b>	16171
<b>UniProt ID:</b>	<u><a href="#">Q62386</a></u>
<b>RefSeq Size:</b>	1171
<b>Cytogenetics:</b>	1 A4
<b>RefSeq ORF:</b>	474
<b>Synonyms:</b>	Ctl; Ctla; Ctla-8; Ctla8; Il; IL-; IL-17; IL-17A; Il17



[View online »](#)

**Summary:**

This gene encodes a pro-inflammatory cytokine that is a member of the interleukin-17 family. The encoded protein plays a central role in host defense against diverse pathogens. The encoded protein is produced by activated T-cells and certain cell types of innate immune system. The active protein functions as either a homodimer with other interleukin-17 family members and signals through the interleukin-17 receptor to induce inflammatory cytokine production. Aberrant expression of this gene is associated with autoinflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. [provided by RefSeq, Sep 2015]

**Product images:**