

Product datasheet for **TP723750**

Il17a (NM_010552) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 17A (Il17a)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse IL-17A, the region of Ala26-Ala158, from gene Accession# NM_010552
Tag:	Tag Free
Predicted MW:	15 kDa
Concentration:	lot specific
Purity:	Purity is >98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	10 mM NaH ₂ PO ₄ , 0.15 M NaCl, pH 7.2
Bioactivity:	The ED ₅₀ is 0.25 - 1 ng/ml, corresponding to a specific activity 1.0 - 4 x 10 ⁶ units/mg, determined by a dose dependent stimulation of fetal mouse skin fibroblasts production of IL-6.
Endotoxin:	Less than 0.01 ng per ug protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	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.
RefSeq:	<u>NP_034682</u>
Locus ID:	16171
UniProt ID:	<u>Q62386</u>
RefSeq Size:	1171
Cytogenetics:	1 A4
RefSeq ORF:	474
Synonyms:	Ctl; Ctla; Ctla-8; Ctla8; Il; IL-; IL-17; IL-17A; Il17



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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: