Active Recombinant Mouse Il17a Protein

Cat. No. Il17a-094M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 17A (Il17a) (Ala26-Ala158) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	26-158 a.a.
Description	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.
Bio-activity	The ED50 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.
Molecular Mass	15 kDa
Endotoxin	Less than 0.01 ng per ɡ protein as determined by the LAL method

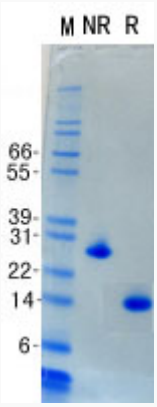
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Purity	>98%, as determined by Coomassie stained SDS-PAGE.
Stability	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialed at >50 ug/mL in specified buffer
Storage Buffer	10 mM NaH2PO4, 0.15 M NaCl, pH7.2

GENE INFORMATION

Gene Name	Il17a interleukin 17A [Mus musculus (house mouse)]
Official Symbol	Il17a
Synonyms	Il17a; interleukin 17A; Il17; Ctla8; IL-17; Ctla-8; IL-17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8
Gene ID	16171
mRNA Refseq	NM_010552
Protein Refseq	NP_034682
UniProt ID	Q62386

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