

## Active Recombinant Mouse Il17a Protein

Cat. No. II17a-094M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse interleukin 17A (Il17a) (Ala26-Ala158) without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	26-158 a.a.
<b>Description</b>	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.
<b>Bio-activity</b>	The ED50 is 0.25 - 1 ng/ml, corresponding to a specific activity 1.0 - 4 x 10 <sup>6</sup> units/mg, determined by a dose dependent stimulation of fetal mouse skin fibroblasts production of IL-6.
<b>Molecular Mass</b>	15 kDa
<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>98%, as determined by Coomassie stained SDS-PAGE.
<b>Stability</b>	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.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	Protein formulated and vialled at >50 ug/mL in specified buffer
<b>Storage Buffer</b>	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 0.15 M NaCl, pH7.2

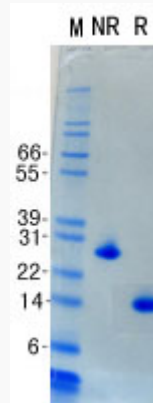
## GENE INFORMATION

<b>Gene Name</b>	Il17a interleukin 17A [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Il17a
<b>Synonyms</b>	Il17a; interleukin 17A; Il17; Ctl8; IL-17; Ctl8; IL-17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8
<b>Gene ID</b>	16171
<b>mRNA Refseq</b>	NM_010552
<b>Protein Refseq</b>	NP_034682
<b>UniProt ID</b>	Q62386

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