

Active Recombinant Mouse Il17f Protein

Cat. No. Il17f-143M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 17F (Il17f) (Arg29-Ala161) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	29-161 a.a.
Description	Ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover. Also involved in stimulating the proliferation of peripheral blood mononuclear cells and T-cells and in inhibition of angiogenesis. Plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation.
Bio-activity	The ED50 is 300 to 600 ng/ml, corresponding to a specific activity of 0.16 - 0.33 x 10 ⁴ units/mg, determined by a dose dependent stimulation of fetal mouse skin fibroblasts production of CXCL1.
Molecular Mass	15 kDa
Endotoxin	Less than 0.01 ng per g 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 vialled at >50 ug/mL in specified buffer
Storage Buffer	10 mM NaH ₂ PO ₄ , 0.15 M NaCl, pH7.2

GENE INFORMATION

Gene Name	Il17f interleukin 17F [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il17f
Synonyms	Il17f; interleukin 17F; C87042; IL-17F; interleukin-17F
Gene ID	257630
mRNA Refseq	NM_145856
Protein Refseq	NP_665855
UniProt ID	Q7TNI7

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