

Active Recombinant Mouse Il13 Protein

Cat. No. Il13-090M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 13 (Il13) (Ser26-Phe131) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	26-131 a.a.
Description	Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses. Positively regulates IL31RA expression in macrophages.
Bio-activity	The ED50 is 1.5 to 3.5 ng/ml, corresponding to a specific activity of 6.6 to 2.85 x 10 ⁵ units/mg, determined by the dose dependent stimulation of TF-1 cells proliferation.
Molecular Mass	11.7 kDa
Endotoxin	Less than 0.01 ng per µg protein as determined by the LAL method
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

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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

10mM NaH₂PO₄, 150mM NaCl, pH7.2

GENE INFORMATION

Gene Name

Il13 interleukin 13 [*Mus musculus* (house mouse)]

Official Symbol

Il13

Synonyms

Il13; interleukin 13; Il-13; interleukin-13; T-cell activation protein P600

Gene ID

16163

mRNA Refseq

NM_008355

Protein Refseq

NP_032381

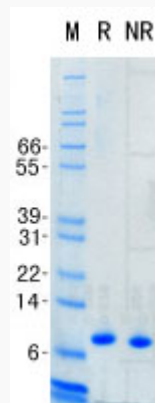
UniProt ID

P20109

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