

Recombinant Mouse Il31 Protein (Thr24-Cys163), C-His tagged, Animal-free, Carrier-free

Cat. No. Il31-293M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il31 Protein (Thr24-Cys163) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Thr24-Cys163
Description	Interleukin 31 (IL-31) is a 15.65 kDa cytokine with 141 amino acid residues. IL-31 is mainly secreted from Th2 cells and binds to a receptor called IL-31RA. Upon binding to IL-31RA, IL-31 activates several signal pathways like MAPK, PI3K/AKT, and Jak/STAT pathways. It is critical in regulating many biological functions, such as cell proliferation, hematopoiesis, induction of cytokines, inflammation, and immune response. It also responds to an antigen by facilitating cell-mediated immunity.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 16.56 kDa. The protein migrates about 17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.

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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

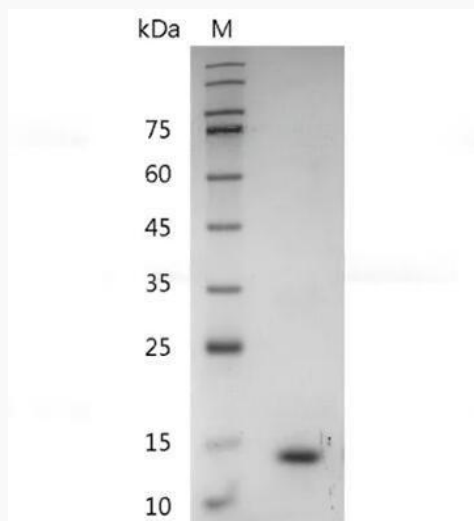
Gene Name	IL31 interleukin 31 [Mus musculus (house mouse)]
Official Symbol	IL31
Synonyms	IL31; interleukin 31; interleukin-31; IL-31; 1700013B14Rik;
Gene ID	76399
mRNA Refseq	NM_029594
Protein Refseq	NP_083870
UniProt ID	Q6EAL8

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**SDS-PAGE analysis
of recombinant
mouse IL-31.**



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