

Active Recombinant Mouse Il10 Protein (Ser19-Ser178), C-His tagged, Animal-free, Carrier-free

Cat. No. II10-45M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il10 Protein (Ser19-Ser178) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ser19-Ser178
Description	Interleukin-10 (IL-10), also known as cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. Many different types of cells can produce IL-10, including immune cells and non-immune cells. IL-10 exerts inhibitory functions on DCs and macrophages, which is a potent inhibitor of antigen presentation and limit the production of the Th1-associated cytokines IL-2 and interferon- γ (IFN- γ). IL-10 is also a key immunoregulator during infection due to its inhibitory effect on inflammatory cytokine production. Consequently, the excessive Th1 and CD8+ T cell responses could be suppressed during infection.
Form	Lyophilized
Bio-activity	Measure by its ability to induce MC/9-2 cells proliferation. The ED50 for this effect is < 1 ng/mL. The specific activity of recombinant mouse IL-10 is > 1×10^6 IU/mg.
Molecular Mass	The protein has a calculated MW of 19.7 kDa.

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	The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
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	IL10 interleukin 10 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; interleukin-10; cytokine synthesis inhibitory factor; CSIF; IL-10;
Gene ID	16153
mRNA Refseq	NM_010548

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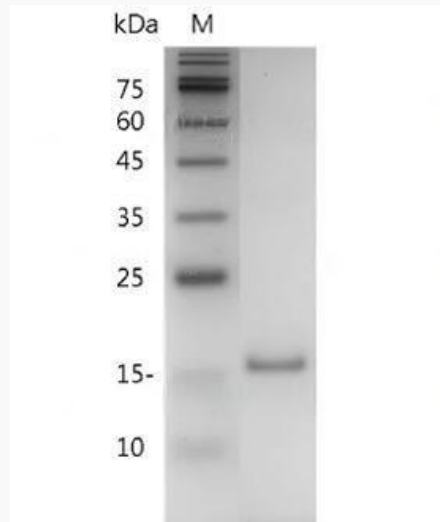
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Protein Refseq NP_034678

UniProt ID P18893

**SDS-PAGE analysis
of recombinant
mouse IL-10.**



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