Recombinant Mouse Il10 protein, His & T7-tagged

Cat. No. Il10-840M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il10 aa. (Ser19~Ser178 linked with LEHHHHHH) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser19~Ser178 linked with LEHHHHHH
Description	This gene encodes an anti-inflammatory cytokine that is a member of the class-2 cytokine family. The encoded protein is secreted by cells of both the innate and adaptive immune systems and is crucial for limiting the immune response to a broad range of pathogens. It also has been shown to suppress autoimmune responses. This protein mediates it's immunosuppressive signal through a specific interleukin 10 receptor complex. Aberrant functioning of this gene is associated with numerous immune disorders including graft-versus-host disease, and increased susceptibility to HIV-1 infection and rheumatoid arthritis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

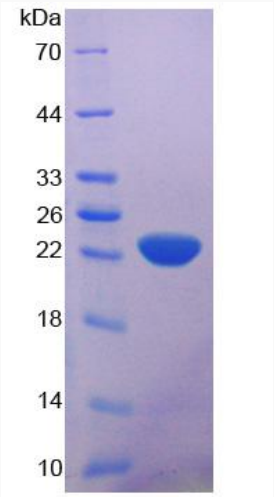
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Characteristic	The isoelectric point is 8.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	Il10 interleukin 10 [Mus musculus (house mouse)]
Official Symbol	Il10
Synonyms	Il10; interleukin 10; CSIF; Il-10; interleukin-10; cytokine synthesis inhibitory factor
Gene ID	16153
mRNA Refseq	NM_010548.2
Protein Refseq	NP_034678.1
UniProt ID	P18893

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SDS-PAGE	 15% SDS-PAGE

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