Active Recombinant Human IL10 protein, His-tagged

Cat. No. IL10-372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL10 protein(Ser19-Asn178), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-178 aa
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED50 for this effect is 0.13-0.52 ng/mL, corresponding to a specific activity of 1.92×10^6-7.69×10^6 units/mg. 2. Measured by its binding ability in a functional ELISA.Immobilized Human IL10 at 2 μg/mL (100 μL/well) can bind Human IL10RA with a linear range of 0.1-2.9 ng/mL.
Molecular Mass	19.49 kDa
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,

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	at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name	IL10 interleukin 10 [Homo sapiens]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; interleukin-10; CSIF; cytokine synthesis inhibitory factor; IL 10; IL10A; T cell growth inhibitory factor; TGIF; T-cell growth inhibitory factor; GVHDS; IL-10; MGC126450; MGC126451;
Gene ID	3586
mRNA Refseq	NM_000572
Protein Refseq	NP_000563
MIM	124092
UniProt ID	P22301

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