

Active Recombinant Rhesus IL10RA Protein (Thr9-Asn245), His-tagged

Cat. No. IL10RA-988R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus IL10RA Protein (XP_001092736.1) (Thr9-Asn245) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Thr9-Asn245
Description	CD21, also known as IL1RA, is a receptor for interleukin 1. CD21 has been shown to mediate the immunosuppressive signal of interleukin 1, and thus inhibits the synthesis of proinflammatory cytokines. It is structurally related to IFN receptors. It has been reported that CD21 promotes survival of progenitor myeloid cells. Activation of CD21 leads to tyrosine phosphorylation of JAK1 and TYK2 kinases.
Predicted N Terminal	Phe 29
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit IL-10 dependent proliferation of MC/9-2 mouse mast cells. Approximately 0.15-0.6µg/mL of IL-10Ra will inhibit 50% of the biological response

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	induced by 10 ng/mL of recombinant human IL-10.
Molecular Mass	The recombinant rhesus IL10RA consists of 228 amino acids and predicts a molecular mass of 26.2 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor subunit alpha [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	IL10RA
Gene ID	704383

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mRNA Refseq	XM_001092736
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Protein Refseq	XP_001092736
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