

## Active Recombinant Rhesus IL10RA protein, hFc-tagged

Cat. No. IL10RA-981R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rhesus IL10RA protein(XP_001092736.1) (Thr9-Asn245) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	Thr9-Asn245
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	<ol style="list-style-type: none"> <li>1. Measured by its binding ability in a functional ELISA. Immobilized Rhesus IL10RA-Fc at 10 µg/ml (100 µl/well) can bind biotinylated human IL10, The EC50 of biotinylated human IL10 is 39.0-92.0 ng/ml.</li> <li>2. Measured by its ability to inhibit IL-10 dependent proliferation of MC/9 mouse mast cells. Approximately 0.1-0.4 µg/mL of IL-10Rα will inhibit 50% of the biological response induced by 10 ng/mL of recombinant human IL-10.</li> </ol>
<b>Molecular Mass</b>	The recombinant rhesus IL10RA comprises 458 amino acids and has a calculated molecular mass of 51.8 KDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

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