Active Recombinant Rhesus IL6R Protein, His-tagged

Cat. No. IL6R-457R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus IL6R (XP_001114404.1) (Met1-Pro365) was expressed with a polyhistidine tag at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met1-Pro365
Description	Interleukin 6 receptor (IL-6R) also known as CD126 (Cluster of Differentiation 126) is a type I cytokine receptor. The low concentration of a soluble form of IL-6 receptor (sIL-6R) acts as an agonist of IL-6 activity. In the IL-6R/CD126/IL6R system, both a membrane-bound IL-6R and a sIL-6R protein are able to mediate IL-6 signals into the cells through the interaction of gp130. The resulting IL-6/sIL-6R protein complex is also capable of binding to gp130 and inducing intracellular signalling. Through this so-called 'trans-signalling' mechanism, IL-6 is able to stimulate cells that lack an endogenous mIL-6R. High levels of IL-6 and sIL-6R have been reported in several chronic inflammatory and autoimmune diseases as well as in cancer.
Predicted N Terminal	Leu 20
Form	Lyophilized from sterile Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhesus IL6R at 10μg/mL (100μL/well) can bind human IL6, the EC50 of human IL6 is 5-50 ng/mL.
Molecular Mass	The recombinant rhesus IL6R consists of 357 amino acids and predicts a molecular mass of 39.6 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at-70 centigrade. 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 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	IL6R
Synonyms	IL6R;interleukin 6 receptor;interleukin-6 receptor subunit alpha

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