

Recombinant Human Interleukin-6 Receptor Subunit Alpha (rHuIL-6 R α)

PrimeGene Technical Data Sheet

Catalog Number:	101-06D
Source:	<i>Spodoptera frugiperda</i> , Sf21 (baculovirus)
Molecular Weight:	Apparent molecular mass of 45-50 kDa in SDS-PAGE under reducing conditions, a single glycosylated polypeptide protein consisting of 339 amino acids.
Quantity:	10ug/100 μ g
AA Sequence:	Leu20-Asp358; Accession # P08887.1
Purity:	> 97 % by SDS-PAGE analyses.
Biological Activity:	Measured by its ability to enhance the IL-6 activity on M1 mouse myeloid leukemia cells. The ED ₅₀ for this effect is 5-15 ng/mL.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from 0.2 μ m filtered concentrated solution in PBS.
Endotoxin:	Less than 1 EU/ μ g of rHuIL-6 R α as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile PBS or aqueous buffer to a concentration of 0.1 mg/ml. Further dilutions should be made in appropriately buffered solutions.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Interleukin-6 Receptor Subunit Alpha

Interleukin-6 Receptor (IL-6 R) is a transmembrane receptor for the multifunctional cytokine IL-6, which plays a major role in the mediation of inflammatory and immune responses. IL-6 R binds to IL-6 with high affinity and associates with gp130/CD130 to form the signaling receptor complex. IL-6 R is primarily expressed on hepatocytes and leukocytes, while gp130 is ubiquitously expressed. gp130 also functions as a component of the receptor complexes for Cardiotrophin-1, CLC, CNTF, G-CSF, IL-11, IL-31, Leptin, LIF, Neuropoietin, and Oncostatin M. Complexes of IL-6 with naturally occurring soluble IL-6 R can bind cell surface gp130 and induce trans signaling.