

Recombinant Human sIL-6R α
Catalog # PBG10415**Specification**

Recombinant Human sIL-6R α - Product Information**Recombinant Human sIL-6R α - Additional Information****Description**

IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6R α and gp130. The IL-6R α chain is the binding component specific to IL-6; while the gp130 only transmits signals of IL-6 when bound to IL-6R α . The gp130 also can transmit signals from LIF, OSM, CNTF, IL-11 and CT-1 in conjunction with other receptor subunits. The low-affinity binding site for IL-6 is composed of IL-6R α alone. IL-6R α is expressed in a wide range of cells including T cells, fibroblasts and macrophages. Soluble IL-6R α which consists of only the extracellular domain of the IL-6R α chain, acts as an agonist of IL-6 activity at low concentrations. Recombinant human sIL-6R α is a 37.6 kDa protein consisting of the extracellular domain of the IL-6R α chain (338 amino acid residues).

Biological Activity

The ED_{50} was determined by its ability to intensify the IL-6 induced growth inhibition of murine M1 cells is ≤ 5.0 ng/ml, in the presence of 20 ng/ml of rhIL-6.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human sIL-6R α is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human sIL-6R α - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human sIL-6R α - Images