

Human CellExp IL-6 R α , Human recombinant protein
soluble IL-6 receptor alpha, B cell stimulatory factor-2, CD126
Catalog # PBV10737r**Specification****Human CellExp IL-6 R α , Human recombinant protein - Product info**

Primary Accession [P08887](#)
Calculated MW ~37.6 kDa KDa

Human CellExp IL-6 R α , Human recombinant protein - Additional Info

Gene ID **3570**
Gene Symbol **IL6RA**
Other Names
soluble IL-6 receptor alpha, B cell stimulatory factor-2, CD126

Gene Source **Human**
Source **HEK293 cells**
Assay&Purity **SDS-PAGE; $\geq$ 98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **LAPRRCPAQE VARGVLTSLP GDSVTLTCPG
VEPEDNATVH WVLRKPAAGS HPSRWAGMGR
RLLRSVQLH DSGNYSCYRA GRPAGTVHLL
VDVPPEEPQL SCFRKSPLSN VVCEWGPRST
PSLTTKAVLL VRKFQNSPAE DFQEPCQYSQ
ESQKFSCQLA VPEGDSSFYI VSMCVASSVG
SKFSKTQTFQ GCGILQPDPP ANITVTAVAR
NPRWLSVTWQ DPHSWNSSFY RLR FELRYRA
ERSKTFTTWM VKDLQHHCVI HDAWSGLRHV
VQLRAQEEFG QGEWSEWSPE AMGTPWTESR
SPPAENEVST PMQALTTNKD DDNILFRDSA
NATSLPVQD**

Target/Specificity
IL-6 R α

Application Notes

Centrifuge the vial prior to opening. Reconstitute in 1x PBS, pH 7.2 to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 1x PBS pH 7.2.

Human CellExp IL-6 R α , Human recombinant protein - 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](#)

Human CellExp IL-6 R α , Human recombinant protein - Images**Human CellExp IL-6 R α , Human recombinant protein - Background**

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 (339 amino acid residues).

Human CellExp IL-6 R α , Human recombinant protein - References

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Schooltink H., et al. Biochem. J. 277:659-664(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
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