

Human CellExp™ sIL-6 receptor, Human Recombinant

CATALOG NO:	P1289-5, 20	5 µg, 20 µg
ALTERNATE NAMES:	soluble IL-6 receptor alpha, B cell stimulatory factor-2, CD126, Membrane glycoprotein 80, gp80, IL-6R 1, Interleukin-6 receptor subunit alpha, IL-6 receptor subunit alpha, IL-6R subunit alpha, IL-6R-alpha, IL-6RA	
SOURCE:	HEK293 cells	
PURITY:	≥ 98% by SDS-PAGE analyses.	
MOL. WEIGHT:	37.6 kDa	
FORM:	lyophilized powder	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	
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.	
RECONSTITUTION:	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.	
DESCRIPTION:	IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6Rα and gp130. The IL-6Rα chain is the binding component specific to IL-6; while the gp130 only transmits signals of IL-6 when bound to IL-6Rα. 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-6Rα alone. IL-6Rα is expressed in a wide range of cells including T cells, fibroblasts and macrophages. Soluble IL-6Rα which consists of only the extracellular domain of the IL-6Rα chain, acts as an agonist of IL-6 activity at low concentrations. Recombinant human sIL-6Rα is a 37.6 kDa protein consisting of the extracellular domain of the IL-6Rα chain (338 amino acid residues).	

RELATED PRODUCTS:

- Human CellExp™ IL-6 Rα, Human Recombinant (**Cat. No. 7102**)
- Human CellExp™ IL-6, Human Recombinant (**Cat. No. 6464**)
- IL-6 (human) ELISA Kit (**Cat. No. K4143**)
- IL-6 (mouse) ELISA Kit (**Cat. No. K4144**)
- IL-6 (rat) ELISA Kit (**Cat. No. K4145**)
- IL-6 Antibody (**Cat. No. 5145**)
- IL-6 Antibody (**Cat. No. 5143**)
- IL-6 Antibody (**Cat. No. 5144**)
- IL-6, murine recombinant (**Cat. No. 4144**)
- IL-6, human recombinant (**Cat. No. 4143**)
- IL-6, rat recombinant (**Cat. No. 4145**)
- QuickDetect™ IL-6 (Human) ELISA Kit (**Cat. No. K4428**)
- Recombinant Human Soluble Interleukin-6 (IL-6) Receptor (**Cat. No. 4598**)
- sIL-4Rα, Human Recombinant (Cat. No. P1287)

FOR RESEARCH USE ONLY! Not to be used on humans.