

sIL-4R α , Human Recombinant

CATALOG NO:	P1287-3, 15	3 μ g, 15 μ g
ALTERNATE NAMES:	soluble IL-4 receptor alpha, CD124, IL-4R subunit alpha, IL-4R-alpha, IL-4RA, Soluble IL-4 receptor subunit alpha, Soluble IL-4R-alpha, sIL4Ralpha/prot, IL-4-binding protein, IL4-BP	
SOURCE:	HEK293 cells	
PURITY:	\geq 98% by SDS-PAGE analyses.	
FORM:	Lyophilized	
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 inhibit the IL-4 dependent proliferation of human TF-1 cells is \leq 5.0 ng/ml (in the presence of 0.5 ng/ml of IL-4), corresponding to a specific activity of \geq 2 x 10 ⁶ AA Sequence	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Note: Slow to dissolve. 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-4 can signal through type I and type II receptor complexes, which share a common γ chain (γ c). The type I receptor contains in addition to the γ chain an IL-4R α subunit, whereas the type II receptor contains the IL-13R α . The secreted extracellular domain of IL-4R α , called sIL-4R α , binds IL-4 and antagonizes its activity. It plays an important role in regulating the differentiation of naive CD4 T cells and class switching to IgG1 and IgE. Recombinant human sIL-4R α is a 209 amino acid protein which corresponds to the entire extracellular domain of IL-4R α .	

RELATED PRODUCTS:

- Human CellExp™ IL-4 R α , Human Recombinant (**Cat. No. 7101**)
- Human CellExp™ IL-4, Human Recombinant (**Cat. No. 6463**)
- IL-4 Antibody (**Cat. No. 5137**)
- IL-4 (Human) ELISA Kit (**Cat. No. K4164**)
- IL-4, murine recombinant (**Cat. No. 4138**)
- IL-4, human recombinant (**Cat. No. 4137**)
- IL-4, rat recombinant (**Cat. No. 4139**)

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