



Recombinant Human Interleukin-4 receptor subunit alpha (IL4R), partial

Product Code	CSB-EP011661HU1-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P24394
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MKVLQ EPTCVSDYMS ISTCEWKMNG PTNCSTELRL LYQLVFLLE AHTCIPENNG GAGCVCHLLM DDVVSADNYT LDLWAGQQLL WKGSEFKPSEH VKPRAPGNLT VHTNVSDTLL LTWSNPYPPD NYLYNHLTYA VNIWSENDPA DFRIYNVTYL EPSLRIAASST LKSGISYRAR VRAWAQCYNNT TWSEWSPSTK WHNSYREPFE QH
Source	E.coli
Target Names	IL4R
Protein Names	Recommended name: Interleukin-4 receptor subunit alpha Short name= IL-4 receptor subunit alpha Short name= IL-4R subunit alpha Short name= IL-4R-alpha Short name= IL-4RAAlternative name(s): CD_antigen= CD124Cleaved
Expression Region	26-232
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by an alternate splice variant or by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Two transcript variants encoding different isoforms, a membrane-bound and a soluble form, have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.