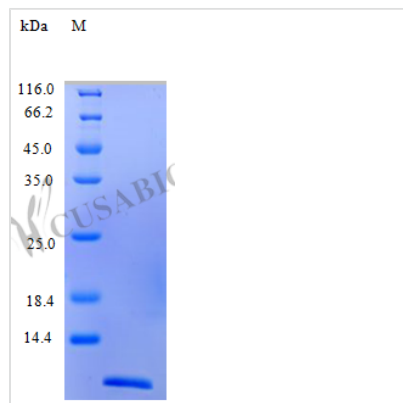




Recombinant Human C-C motif chemokine 4 protein (CCL4) (Active)

Product Code	CSB-AP000861HU
Abbreviation	Recombinant Human CCL4 protein (Active)
Uniprot No.	P13236
Form	Lyophilized powder
Storage Buffer	0.2 µm filtered 20 mM PB, pH 7.4, 150 mM NaCl ,lyophilized
Product Type	Chemokine
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 5.0-20 ng/ml.
Purity	>96% as determined by SDS-PAGE.
Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV VFQTKRSKQV CADPSESQWVQ EYVYDLELN
Research Area	Immunology
Source	E.coli
Target Names	CCL4
Expression Region	24-92aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	7.8 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	2462251; 2521882; 2521353; 2247088; 2568930; 1894635; 15843566; 16625196; 15489334; 2809212; 9521068; 8525373; 10540332; 12070155; 12401480; 8134838

Image



Description

This Recombinant Human CCL4 protein is an essential research tool for investigators in the field of immunology. This C-C motif chemokine 4, also known as CCL4, LAG1, MIP1B, and SCYA4, is expressed in *E. coli*, featuring the 24-92aa expression region of the full-length mature protein. The tag-free protein is supplied as a lyophilized powder, allowing for easy reconstitution with sterile water or buffer to facilitate a wide range of experimental applications.

Quality and performance are paramount for us, and our Recombinant Human CCL4 protein exhibits a purity of >96% as determined by SDS-PAGE and HPLC analysis. In addition, endotoxin levels are maintained below 1.0 EU/μg, as assessed by the LAL method. The protein demonstrates full biological activity in a chemotaxis bioassay using human peripheral blood monocytes, with an effective concentration range of 5.0-20 ng/ml.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

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.