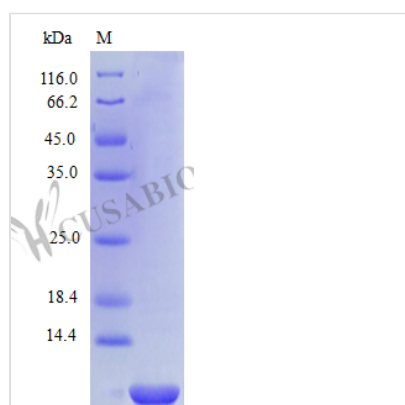




Recombinant Human C-C motif chemokine 14 protein (CCL14), partial (Active)

Product Code	CSB-AP000571HU
Abbreviation	Recombinant Human CCL14 protein, partial (Active)
Uniprot No.	Q16627
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
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 monocytes is in a concentration of 5.0-20 ng/ml.
Purity	>96% as determined by SDS-PAGE.
Sequence	TESSSRGPYH PSECCFTYTT YKIPRQRIMD YYETNSQCSK PGIVFITKRG HSVCTNPSDK WVQDYIKDMK EN
Research Area	Immunology
Source	E.coli
Target Names	CCL14
Expression Region	22-93aa
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	8.4 kDa
Protein Length	Partial
PubMed ID	8551235; 9600961; 10213461; 15489334; 10978165; 11085751; 17691823

Image





Description

Our recombinant human CCL14 protein, expressed in *E. coli*, encompasses the amino acid region 22-93aa of the human CCL14 protein. The protein is tag-free and supplied as a lyophilized powder, ready to be reconstituted with sterile water or buffer prior to use. The purity of this recombinant CCL14 is >96%, as confirmed by SDS-PAGE and HPLC analyses. The endotoxin level is below 1.0 EU/μg, as determined by the LAL method. The biological activity of this recombinant protein is fully preserved when compared to the standard, with an activity range of 5.0-20 ng/ml in a chemotaxis bioassay using human monocytes.

C-C motif chemokine 14 (CCL14) belongs to the CC chemokine family and plays an essential role in the immune system by modulating immune cell trafficking and function. The study of CCL14 is critical to understanding immune responses and the development of potential therapeutic interventions for various immune-related diseases.

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.