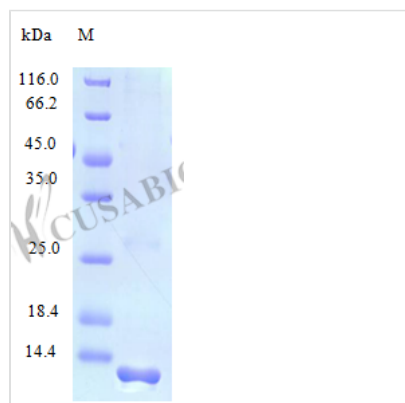




Recombinant Human C-C motif chemokine 21 protein (CCL21)

Product Code	CSB-AP000941HU
Abbreviation	Recombinant Human CCL21 protein (Active)
Uniprot No.	O00585
Storage Buffer	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.0.
Product Type	Chemokines
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 10-100 ng/ml.
Purity	>95% as determined by SDS-PAGE.
Sequence	SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCK RTERSQTPKG P
Research Area	Immunology
Source	E.Coli
Target Names	CCL21
Expression Region	24-134aa
Tag Info	Tag-Free
Mol. Weight	12.2 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	9235955; 9257816; 9300671; 9419363; 12975309; 15489334; 9507024; 23341447; 22221265

Image



Description

Our recombinant human CCL21 protein, expressed in E. coli, encompasses the



full-length mature protein sequence, spanning from amino acids 24 to 134. This tag-free protein is supplied as a lyophilized powder that can be easily reconstituted with sterile water or buffer. The purity of our recombinant CCL21 is >97%, as confirmed by SDS-PAGE and HPLC analysis, while the endotoxin content remains below 1.0 EU/μg, as determined using the LAL method. The protein demonstrates full biological activity, as shown in a chemotaxis bioassay with human lymphocytes, eliciting activity in a concentration range of 10-100 ng/ml.

As a member of the CC chemokine family, C-C motif chemokine 21 (CCL21) has a significant impact on immune cell migration and function. Comprehensive insights into CCL21's functions and mechanisms are crucial to understanding its role within the immune system and its potential as a therapeutic target for immune-related diseases.

Endotoxin

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

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.