

# Recombinant human CCL11/Eotaxin-1 protein

Catalog Number: ATGP0447

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

24-97aa

### UniProt No.

P51671

### NCBI Accession No.

NP\_002977

### Alternative Names

Small inducible cytokine A11, SCYA11, Small inducible cytokine A11 CCL 11, Chemokine C C motif ligand 11, Chemokine CC Motif Ligand 11, Chemokine ligand 11, Eosinophil Chemotactic Protein, MGC22554, SCYA 11, Small inducible cytokine subfamily A (Cys Cys) member 11, Small inducible cytokine subfamily A member 11.

## PRODUCT SPECIFICATION

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### Molecular Weight

10.6 kDa (95aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1 M NaCl.

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CCL11 is a small cytokine belonging to the CC chemokine family that is also known as eotaxin-1. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses.

## Recombinant human CCL11/Eotaxin-1 protein

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The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which CCL11 is a ligand include CCR2, CCR3 and CCR5. Recombinant CCL11 protein was expressed in *E. coli* and purified by using conventional chromatography techniques

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MGPASVPTTC CFNLANRKIP LQRLESYRRI TSGKCPQKAV IFKTKLAKDI CADPKKKWVQ  
DSMKYLDQKS PTPKP

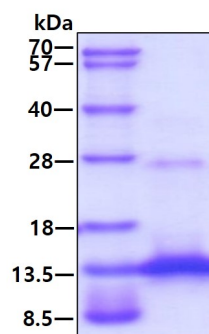
### General References

Imai T., et al. (1996) *J Biol Chem.* 271 (35): 21514-21

Kakinuma T., et al. (2002) *Cytokine.* 20(1):1-6.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.