

# Human CCL11 Protein

Cat. No. CCL-HE111

## Description

<b>Source</b>	Recombinant Human CCL11 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Gly24-Pro97.
<b>Accession</b>	P51671
<b>Molecular Weight</b>	The protein has a predicted MW of 9.46 kDa. The protein migrates to 13-15 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

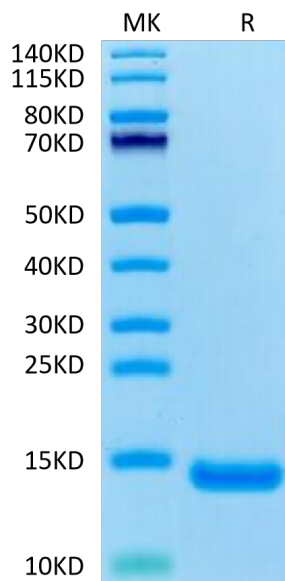
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 20mM PB, 500mM NaCl, 200mM L-arginine (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The chemokine CCL11 (also known as eotaxin-1) is a potent eosinophil chemoattractant that mediates allergic diseases such as asthma, atopic dermatitis, and inflammatory bowel diseases. CCL11 released from activated astrocytes triggers oxidative stress via microglial NOX1 activation and potentiates glutamate-mediated neurotoxicity, which may be involved in the pathogenesis of various neurological disorders.

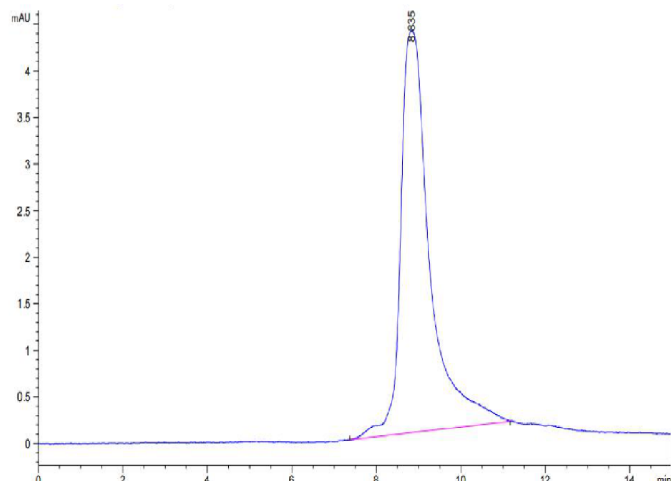
## Assay Data

### Bis-Tris PAGE



Human CCL11 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human CCL11 is greater than 90% as determined by SEC-HPLC.