

Human CCL7/MCP3 Protein

Cat. No. CCL-HE007

Description

Source	Recombinant Human CCL7/MCP3 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Gln24-Leu99.
Accession	P80098
Molecular Weight	The protein has a predicted MW of 10.05 kDa. The protein migrates to 14-17 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

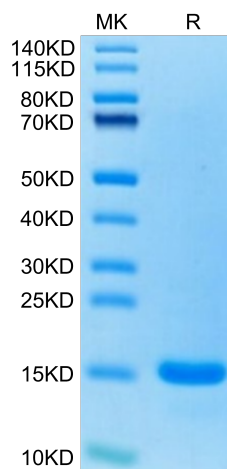
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Chemokine C-C motif ligand 7 (CCL7), a member of CC chemokine subfamily, is known to promote the recruitment of many innate immune cell types including monocytes and neutrophils to sites of bacterial and viral infection and eosinophils and basophils to sites of allergic inflammation. CCL7 upregulation has been associated with many inflammatory settings including infection, cardiovascular disease, and the tumor microenvironment.

Assay Data

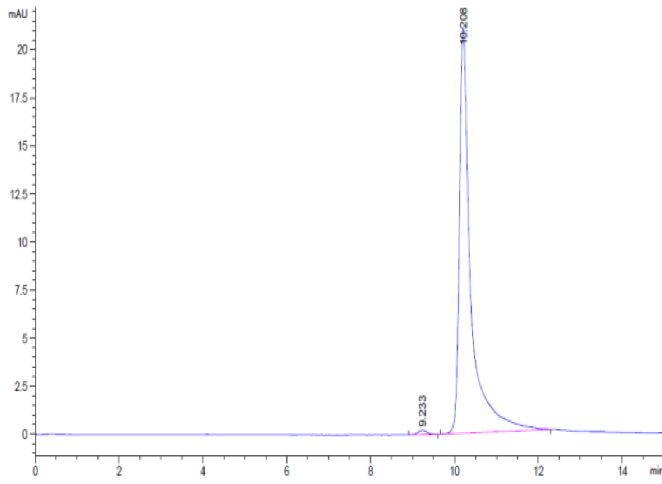
Tris-Bis PAGE



Human CCL7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human CCL7 is greater than 95% as determined by SEC-HPLC.