Datasheet for ABIN6699644

CCL7 Protein

2 Images

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Overview

Quantity:	100 µg
Target:	CCL7
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein
Purification:	Monocyte Chemotactic protein-3 (CCL7) purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the ability to chemoattract human PBMCs, human neutrophils or THP-1 cells and is typically 10-100 ng/mL.

Target Details

Target:	CCL7
Alternative Name:	MCP-3 (CCL7 Products)
Background:	Synonyms: CCL7, MARC

Target Details

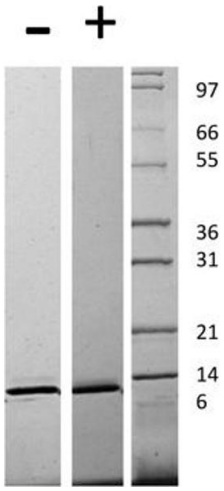
	Background: Monocyte Chemotactic Protein 3 (MCP-3), also called CCL7, is produced by macrophages and some tumor cell lines. MCP-3 signals through three different G protein-coupled receptors, CCR1, CCR2, and CCR3. CCL7 chemoattracts monocytes and can regulate macrophage function. Recombinant human MCP-3 is a non-glycosylated protein, containing 76 amino acids, with a molecular weight of 9 kDa.
UniProt:	Q7Z7Q8

Application Details

Application Notes:	Other: User Optimized Application_Note: Monocyte Chemotactic Protein-3 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Monocyte Chemotactic Protein-3 in immunological assays.
Comment:	Suggested_Applications: Cellular Assay Other_Performance_Data:
Restrictions:	For Research Use only

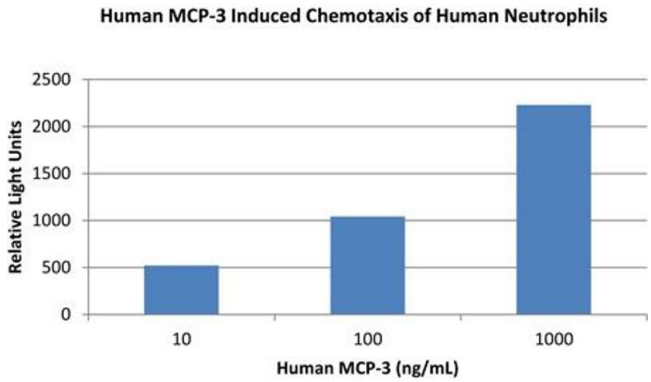
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein SDS-PAGE of Human Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein. Lane 1: 1 µg Human MCP-3 in non-reducing conditions . Lane 2: 1 µg Human MCP-3 in reducing conditions (+). Lane 3: Molecular weight marker. Human MCP-3 has a predicted MW of 9 kDa.



SDS-PAGE

Image 2. SDS-PAGE of Human Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein Bioactivity of Human Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein. Triplicate samples of primary human neutrophils from three donors were allowed to migrate to Human MCP-3 (10, 100 and 1000 ng/mL). After 30 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant levels of migration over basal were seen in response to Human MCP-3/CCL7 starting at 10 ng/mL.