Datasheet for ABIN6699648

CCL7 Protein

2 Images

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Overview

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

Product Details

Purpose:	Mouse 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 its ability to chemoattract THP-1 cells at 10-100 ng/mL.

Target Details

Target:	CCL7
Alternative Name:	Ccl7 (CCL7 Products)
Background:	Synonyms: Intercrine/chemokine MARC, Monocyte chemoattractant protein 3, Monocyte chemotactic protein 3 (MCP-3), Protein FIC, Small-inducible cytokine A7

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 mouse MCP-3 is a non-glycosylated protein, containing 74 amino acids, with a molecular weight of 8.5 kDa.
UniProt:	Q03366

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

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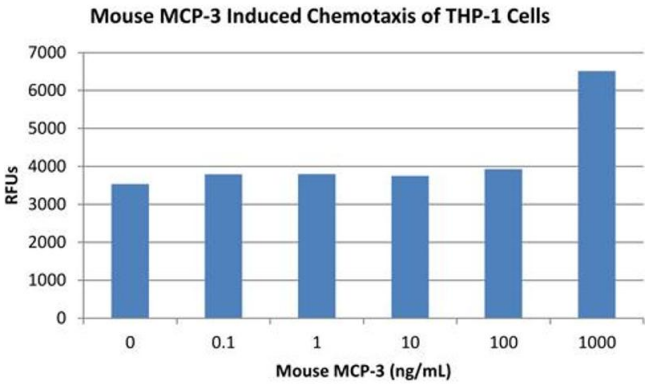
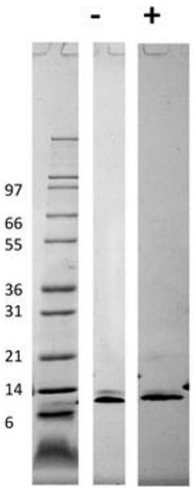


SDS-PAGE

Image 1. SDS-PAGE of Mouse Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein Bioactivity of Mouse Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein. Human THP-1 cells were allowed to migrate to Mouse MCP-3 at (0, 0.1, 1, 10, 100 and 1000 ng/mL). After 45 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Mouse MCP-3 starting at 1000 ng/mL. This value is comparable to expected ranges of a chemotactic response of primary human monocytes.



SDS-PAGE

Image 2. SDS-PAGE of Mouse Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein SDS-PAGE of Mouse Monocyte Chemotactic Protein-3 (CCL7) Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Mouse MCP-3 in non-reducing conditions . Lane 3: 1 µg Mouse MCP-3 in reducing conditions (+). Mouse MCP-3 has a predicted MW of 8.5 kDa.

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