Ccl12
Recombinant Mouse CCL12 / MCP-5 (His Tag)

Catalog No.	CRM505A-His	**Quantity:**	20 µg
	CRM505B-His		100 µg
	CRM505C-His		1.0 mg

Alternate Names: C-C motif chemokine 12, MCP-1-related chemokine, Monocyte chemoattractant protein 5, Monocyte chemotactic protein 5, MCP-5, Small-inducible cytokine A12

Description: CCL12 prevented initiation of the reparative response by prolonging inflammation and inhibiting fibroblast conversion to myofibroblasts, resulting in diminished scar formation. Macrophage secretion of CCL12 directly impaired fibronectin and collagen deposition and indirectly stimulated collagen degradation through upregulation of matrix metalloproteinase-2. In post-MI patients, circulating LPS levels strongly associated with the Ccl12 homologue monocyte chemotactic protein 1 (MCP-1). Both MCP-1 and MCP-5 are HIF-1 target genes and that HIF-1alpha is involved in transcriptional induction of these two chemokines in astrocytes by hypoxia.

UniProt ID: Q62401

Accession Number: NP_035461.2

Protein Construction: A DNA sequence encoding the mouse Ccl12 (Gly23-Gly104) was expressed with a polyhistidine tag at the C-terminus.

Source: Yeast

Formulation: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The recombinant mouse CCL12 consists of 92 amino acids with a predicted molecular mass of 10.7 kDa.

Purity: > 90 % as determined by SDS-PAGE.

Biological Activity: Testing in progress

Predicted N-terminal: Gly 23

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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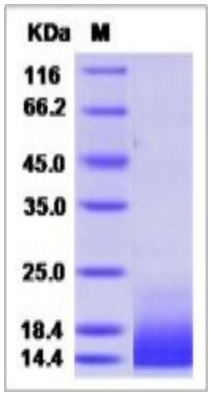
SDS-PAGE



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