

CCL13

Recombinant Human CCL13 / MCP-4 (His Tag)

Catalog No.	CRH493A-His CRH493B-His CRH493C-His	Quantity:	10 µg 20 µg 1.0 mg
Alternate Names:	C-C motif chemokine 13, CK-beta-10, Monocyte chemoattractant protein 4, Monocyte chemotactic protein 4, MCP-4, NCC-1, Small-inducible cytokine A13, C-C motif chemokine 13, long chain, C-C motif chemokine 13, medium chain, C-C motif chemokine 13, short chain		
Description:	<p>Monocyte Chemoattractant Proteins 4 (MCP-4/CCL13) is a member of a distinct, structurally-related subclass of CC chemokines mainly involved in recruitment of eosinophils to inflammatory sites. CCL13/MCP-4, is a CC family chemokine that is chemoattractant for eosinophils, basophils, monocytes, macrophages, immature dendritic cells, and T cells, and its capable of inducing crucial immuno-modulatory responses through its effects on epithelial, muscular and endothelial cells. Similar to other CC chemokines, CCL13 binds to several chemokine receptors (CCR1, CCR2 and CCR3), allowing it to elicit different effects on its target cells. A number of studies have shown that CCL13 is involved in many chronic inflammatory diseases, in which it functions as a pivotal molecule involved in the selective recruitment of cell lineages to the inflamed tissues and their subsequent activation. MCP-4/CCL13 is secreted from chondrocytes and activates the proliferation of rheumatoid synovial cells, thereby leading to joint destruction in RA. The interferon-gamma in combination with interleukin-1beta/tumor necrosis factor-alpha activates the production of MCP-4/CCL13 from chondrocytes in RA joints, and that secreted MCP-4/CCL13 enhances fibroblast-like synoviocyte proliferation by activating the extracellular signal-regulated kinase mitogen-activated protein kinase cascade. CCL13 may have some role in the pathogenesis of systemic sclerosis (SSc).</p>		
UniProt ID:	Q99616		
Accession Number:	NP_005399.1		
Protein Construction:	A DNA sequence encoding human CCL13 (Gln24-Thr98) 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 human CCL13 consists of 85 amino acids and predicts a molecular mass of 10 KDa. It migrates as an approximately 14 KDa band in SDS-PAGE under reducing conditions.		
Purity:	> 95 % as determined by SDS-PAGE		
Biological Activity:	Testing in progress		

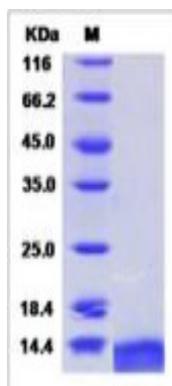


Predicted N-terminal: Gln 24

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.**

SDS-PAGE



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