

HB220505

Recombinant Human Monocyte Chemotactic Protein-4/CCL13 (Human MCP-4/CCL13)

Product Information

Product Name	Cat#	Size
Recombinant Human Monocyte Chemotactic Protein-4/CCL13 (Human MCP-4/CCL13)	90958ES08	5 µg
	90958ES60	100 µg
	90958ES76	500 µg

Product Description

Human CCL13 is belonging to the CC chemokine family and is encoded by the gene CCL13. CCL13 (MCP-4) shares 56-61 % sequence identity with MCP-1 (CCL2) and MCP-3 (CCL7) and is 60 % identical to Eotaxin (CCL11). CCL13 was a potent chemoattractant for monocytes and eosinophils and stimulated histamine release from basophils. CCL13 can induce a calcium flux in HEK-293 cells transfected with the receptor CCR2B and CCR3. That shows the function receptors of CCL3 are CCR2B and CCR3.

Product Properties

Synonyms	CCL13 Protein, Human; CKb10 Protein, Human; MCP-4 Protein, Human; MCP4 Protein, Human; NCC-1 Protein, Human; NCC1 Protein, Human; SCYA13 Protein, Human; SCYL1 Protein, Human
Accession	Q99616
GeneID	6357
Source	E.coli-derived human Monocyte Chemotactic Protein-4, Gln24-Thr98
Molecular Weight	Approximately 8.6 kDa.
AA Sequence	QPDALNVPST CCFTFSSKKI SLQRLKSYVI TTSRCPQKAV IFRTKLGKEI CADPKEKWVQ NYMKHLGRKA HTLKT
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 10-100 ng/ml.
Endotoxin	Less than 1 EU/µg of the protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.