

Recombinant Human Monocyte Chemotactic Protein-4/CCL13

#R00384

Size: 5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

Human CCL13 is belonging to the CC chemokine family and is encoded by the gene CCL13 in humans. 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.

AA Sequence

QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQ
KAVIFRTLKGKEICADPKEKWVQNYMKHLGRKAHTLK
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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.

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.

Product Specification

Synonyms	CK-beta-10, NCC-1, Small-inducible cytokine A13
Accession	Q99616
GeneID	6357
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 8.6 kDa, a single non-glycosylated polypeptide chain containing 75 amino acids.
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.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl.
Endotoxin	Less than 1 EU/μg of rHuMCP-4/CCL13 as determined by LAL method.