

Recombinant Human Macrophage Inflammatory Protein-5/CCL15

#R00387

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 CCL15 is belonging to the CC chemokine family and shares 35 % amino acid homology with human HCC1 (CCL14). CCL15 is most abundant in heart, skeletal muscle and adrenal gland, and low expressed in liver, small intestine, colon, and in certain leukocytes and macrophages of the lung. It is chemotactic for neutrophils, monocytes, and lymphocytes and elicits its effects by binding to cell surface chemokine receptors like CCR1 and CCR3. CCL15 has several cleaved chains. All of them are more potent chemoattractants than CCL15.

AA Sequence

QFINDAETELMMSKLPLENPVVLNSFHFAADCCTSYI
SQSIPCSLMKSYFETSSECSKPGVIFLTKKGRQVCAK
PSGPGVQDCMKKLKPYSI

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	C-C Motif Chemokine 15, LKN-1, Mrp-2b, NCC-3, Small-inducible Cytokine A15
Accession	Q16663
GeneID	6359
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 10.2 kDa, a single non-glycosylated polypeptide chain containing 92 amino acids.
Purity	> 97 % 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 T-lymphocytes is in a concentration range of 1.0-10

	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, 100 mM NaCl.
Endotoxin	Less than 1 EU/µg of rHuMIP-5/CCL15 as determined by LAL method.