

Recombinant Human Macrophage Inflammatory Protein-3/CCL23

#R00395

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

CCL23 is a member of CC chemokine family and is encoded by CCL23 gene located on Chr.17 in humans, where near several other CC chemokines. Highly expressed in adult lung, liver, skeletal muscle and pancreas, this protein shows strong chemotactic activity for monocytes, resting T-lymphocytes, and neutrophils, but not for activated lymphocytes. It elicits the effects by binding to CCR1. CCL23 is reported that it can be cleaved into four forms: CCL23 (19-99), CCL23 (22-99), CCL23 (27-99), CCL23 (30-99).

AA Sequence

RVTKDAETEFMMSKLPLENPVLLDRFHATSADCCISY
TPRSIPCSLLESYFETNSECSKPGVIFLTKKGRRFCAN
PSDKQVQVCMRMLKLDTRIKTRKN

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	CKB-8, MIP-3, MIPIF-1
Accession	P55773
GeneID	6368
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 11.4 kDa, a single, non-glycosylated polypeptide chain containing 99 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 of 10-50 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, 150 mM NaCl.
Endotoxin	Less than 1 EU/μg of rHuMIP-3/CCL23 as determined by LAL method.