

Recombinant Human Mucosae-associated Epithelial Chemokine/CCL28

#R00400

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

CCL28 belongs to CC family chemokine, also named mucosae-associated epithelial chemokine (MEC). The CCL28 cDNA is located on Chr.5 in humans, and the mRNA of CCL28 is highly expressed by epithelial cells of diverse tissues including normal and pathological colon, salivary gland, mammary gland, trachea and rectum. The amino acids sequence of human and mouse CCL28 shares 83 % identity, when the protein is processed to be the mature form. CCL28 is signaling through CCR3 and CCR10, and chemotactic for resting CD4, CD8 T-cells and eosinophils.

AA Sequence

SEAILPIASSCCTEVSHHISRLLERVNMCRIQRADGD
CDLAAVILHVKRRRICVSPHNHTVKQWMKVQAAKKN
GKGNVCHRKKHHGKRNSNRAHQGKHETYGHKTPY

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	CCK1
Accession	Q9NRJ3
GeneID	56477
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 12.4 kDa, a single non-glycosylated polypeptide chain containing 108 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 lymphocytes is in a concentration range of 1.0-10.0 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 rHuMEC/CCL28 as determined by LAL method.