

Recombinant Human Eotaxin-3/CCL26

Catalog # FL087

Product Specifications

Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE or HPLC.
Endotoxin	< 0.1 EU/μg of rHuEotaxin-3/CCL26 protein as determined by LAL method.
Expression System	Expressed in E. coli.
Species	Human
Tag	Tag free.
Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CCR3 transfected HEK293 cells is in a concentration range of 0.5-2.0 μg/ml.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, with 150 mM NaCl, pH 7.4.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a 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.
Accession #	Q9Y258 Thr24-Leu94
Amino acid sequence	TRGSDISKTC CFQYSHKPLPWTWVRSYEFTSNSCSQRAVIFTTKRGKKVCTHPRKKWVQKYISLLKTPKQL
Molecular weight	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 71 amino acids.
Synonyms	CC chemokine IMAC, MIP-4-alpha, Small-inducible cytokine A26, Thymic stroma chemokine-1 (TSC-1)
Stability & Storage	Shipped on wet ice. For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 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.
Precautions	Recombinant Human Eotaxin-3/CCL26 is for research use only and not for use in diagnostic or therapeutic procedures.

Background

Eotaxin-3 is a CC chemokine that signals through the CCR3 receptor. It is produced by endothelial cells stimulated with IL-4 or IL-13. Eotaxin-3 selectively targets cells expressing CCR3, including eosinophils, basophils, T cells and monocytes. Eotaxin-3 has similar activity to Eotaxin and Eotaxin-2, but the three Eotaxins share only a low degree of sequence homology. CCL26 elicits its effects activity by binding to the cell surface chemokine receptor CCR3, and chemotactic for eosinophils and basophils. Recombinant Human Eotaxin-3 is an 8.4kDa protein containing 71 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

