



Eotaxin-3 (CCL26), human recombinant (rHuEotaxin-3)

Catalog No: 97256
Lot No: XXXXX
Source: *E. coli*
Synonyms: C-C motif chemokine 26, Small-inducible cytokine A26, Eotaxin-3, Macrophage inflammatory protein 4-alpha, MIP-4-alpha, Thymic stroma chemokine-1, TSC-1, CC chemokine IMAC, CCL26, SCYA26, IMAC, MIP-4a, MGC126714, MIP-4alpha

Background

Eotaxin-3 (CCL26) is a small cytokine that belongs to the CC chemokine family also known as TARC (thymus and activation regulated chemokine). CCL26 is major eotaxin produced and released by alveolar epithelial cells which is involved in autoregulation of CCR3 receptors and other eotaxins. Eotaxin-3 is involved in immunoregulatory and inflammatory processes. Eotaxin-3 specifically binds and stimulates chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. CCL26 exhibits chemotactic activity for normal peripheral blood eosinophils and basophils. Eotaxin-3 may play a part in the eosinophil accumulation in atopic diseases. Eotaxin-3 is overexpressed in eosinophilic esophagitis, and the expression level correlates with disease severity. Eotaxin-3 is expressed constitutively in thymus, but only briefly in phytohemagglutinin-stimulated peripheral blood mononuclear cells. CCL26 is one of two Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 7.

Description

Eotaxin-3 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 72 amino acids (24-94) and having a total molecular mass of 8.5 kDa. Eotaxin-3 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The Eotaxin-3 solution contains phosphate buffered saline pH 7.4 and 10% glycerol.

Stability

Eotaxin-3, although stable at 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MTRGSDISKT CCFQYSHKPL PWTWRSYEF TSNCSQRAV IFTTKRGKKV CTHPRKKWVQ KYISLLKTPK QL

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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