9051 Mira Mesa Blvd, #910094
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Eotaxin 3 Human

Eotaxin-3 Human Recombinant (CCL26)
CHK0033

Product Overview

Name	Eotaxin 3 Human
Description	
Eotaxin-3 Human Recombinant (CCL26)	
Accession (Primary)	Q9Y258
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.	
Stability	
Lyophilized Eotaxin-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL26 should be stored at 4°C between 2-7 days and for future use 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.	

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Purity

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Amino acid sequence

TRGSDISKTC CFQYSHKPLP WTWVRSYEFT SNSCSQRAVI FTTKRGKKVC THPRKKWVQK YISLLKTPKQ L.

Biological Activity

Determined by its ability to chemoattract BaF3 mouse pro-B cells transfected with mouse CCR3. The ED 50 for this effect is typically 0.1-1.0 µg/ml.

Solubility

It is recommended to reconstitute the lyophilized Eotaxin-3 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Eotaxin 3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y258)