

32-18227: Recombinant Human CCL26 (68AA) Protein

Uniprot ID : Q9Y258

Alternative Name : C-C Motif Chemokine 26; CC Chemokine IMAC; Eotaxin-3; Macrophage Inflammatory Protein 4-Alpha; MIP-4-Alpha; Small-Inducible Cytokine A26; Thymic Stroma Chemokine-1; TSC-1; CCL26; SCYA26

Description

Molecular weight: Predicted MW is 8.21 Kda. Protein runs at 13KDa under reducing conditions.

Description: Recombinant Human C-C Motif Chemokine 26 is produced by our E.coli expression system and the target gene encoding Ser27-Leu94 is expressed.

Chemokine (C C Motif) Ligand 26 (CCL26) is a novel small cytokine belonging to the CC chemokine family, which involved in immunoregulatory and inflammatory processes. CCL26 is expressed constitutively in thymus, but only transiently in phytohemagglutinin-stimulated peripheral blood mononuclear cells. It specifically binds and induces chemotaxis in T cells and elicits its effects by interacting with the chemokine receptor CCR4. Eotaxin-3/CCL26, along with Eotaxin-1 and Eotaxin-2, selectively activates the CC chemokine receptor 3 (CCR3). The Eotaxin-3-CCR3 interaction may play an important role in allergic diseases such as atopic dermatitis and bronchial asthma. The full-length cDNA for Eotaxin-3 encodes a protein of 94 amino acids with a putative signal peptide of either 23 or 26 amino acid residues. Both the 71 and 68 amino acid residue variants of recombinant Eotaxin-3 demonstrate equal potency in inducing chemotaxis of a human CCR3-transfected cell line. Unlike most other CC chemokines, Eotaxin-3 maps to human chromosome 7q11.2, within 40 kilobases of the Eotaxin-2 loci. Eotaxin-3 and Eotaxin-2 are unique in that they are the only chemokines identified to date that map to chromosome 7.

Product Info

Amount : 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Storage condition : Lyophilized protein should be stored at -20°C or lower, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C or lower for 3 months. The product is shipped at ambient temperature. Upon receipt, store it immediately at the proper temperature.