

**Eotaxin-3/CCL26 (24-94), Human, Recombinant**

Cat. No. : PCK112

**General Information**

|                        |                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>        | 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;SC |
| <b>Species</b>         | Human                                                                                                                                                                        |
| <b>Expression host</b> | E.coli                                                                                                                                                                       |
| <b>Sequence</b>        | Thr24-Leu94                                                                                                                                                                  |
| <b>Accession</b>       | Q9Y258                                                                                                                                                                       |
| <b>Mol mass</b>        | 8.53 kDa                                                                                                                                                                     |
| <b>Expiration date</b> | 6 months                                                                                                                                                                     |

**Product feature**

|                          |                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>            | > 95% as determined by reducing SDS-PAGE.                                                                                                                                  |
| <b>Endotoxin (EU/μg)</b> | < 0.1                                                                                                                                                                      |
| <b>Storage</b>           | Store at ≤-5~-20°C, stable for 6 months after receipt. Store at ≤-5~-20°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| <b>Shipping</b>          | Ice bag                                                                                                                                                                    |
| <b>Formulation</b>       | Supplied as a 0.2 μm filtered solution of 20 mM Tris, 1 mM EDTA, 20% Glycerol, pH 9.0.                                                                                     |

**Background**

Chemokine Ligand 26 Protein (CCL26) is a novel small Cytokine belonging to the CC Chemokine family which is involved in immunoregulatory and inflammatory processes. CCL26 is constitutively expressed in thymus, but only transiently expressed 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. 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 CCL26 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 CCL26 demonstrate equal potency in inducing chemotaxis of a human CCR3-transfected cell line. Unlike most other CC Chemokines, CCL26 maps to human chromosome 7q11.2, within 40 kilobases of the Eotaxin-2 loci. CCL26 and Eotaxin-2 are unique in that they are the only Chemokines identified to date that map to chromosome 7.

**SDS-PAGE**