



Technical Data Sheet

Recombinant Human Eotaxin-3/CCL26 (rHu Eotaxin-3/CCL26)

Human Eotaxin-3/CCL26

Eotaxin3, also named CCL26 or SCYA26, is a novel human CC chemokine coded by CXCL26 gene at chromosome 7 in human. Recombinant Eotaxin3/CCL26 has been produced in insect cells using a baculovirus expression system and shown to contain 71 aa residues. Recombinant Eotaxin3/CCL26 is chemotactic for eosinophils and PHAactivated T cells. Eotaxin3/CCL26 induces calcium flux in eosinophils as well as in CCR3 transfected cells. Eotaxin3/CCL26 has also been shown to crossdesensitize cells to other CCR3 ligands. Both the 71 aa residue and 68 aa residue variants of recombinant Eotaxin3 have been expressed in E. coli and found to have equal potency in inducing chemotaxis of a human CCR3 transfected cell line.

Catalog Number:	RC315-37
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 71 amino acid residues.
Quantity:	5µg/20µg/1000µg
AA Sequence:	TRGSDISKTC CFQYSHKPLP WTWVRSYEFT SNSCSQRAVI FTTKRGKKVC THPRKKWVQK YISLLKTPKQ L
Purity:	>97% by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using murine CCR3 transfected BaF3 murine proB cells is less than 1500 ng/ml, corresponding to a specific activity of $> 6.7 \times 10^2$ IU/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rHuEotaxin-3/CCL26 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 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.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated



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Usage:

freeze/thaw cycles.

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