

BACKGROUND:

Eotaxin-3, also known as CCL26, MIP-4α, and TSC-1, is a chemokine that is made by vascular endothelial and lung epithelial cells following interleukin 4 (IL-4) or interleukin 13 (IL-13) stimulation. Eotaxin-3 signals through the G protein-coupled chemokine receptor CCR3 to recruit eosinophils and basophils to inflammatory sites.

Recombinant human Eotaxin-3 is a non-glycosylated protein monomer, containing 71 amino acids and having a molecular mass of 8.4 kDa.

Cat. No.:
RP1179

Alternate Names:
CCL26, MIP-4 alpha, TSC-1

AA Sequence:

TRGSDISKTC	CFQYSHKPLP	WTWVRSYEFT
SNCSQRAVI	FTTKRGKKVC	THPRKKWVQK
YISLLKTPKQ L		

TECHNICAL INFO

Source:
E. coli

Physical Appearance:
Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:
0.1% Trifluoroacetic Acid (TFA)

Stability:
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity determined by:

- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:
Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

