Recombinant CCL26 protein (His tag)

Catalog Number	548541
Synonyms	CC chemokine IMAC; Eotaxin-3; Macrophage inflammatory protein 4-alpha; MIP-4-alpha; Small-inducible cytokine A26; Thymic stroma chemokine-1; TSC-1
Species	Human
Expression System	E. coli
Accession	Q9Y258
Molecular Weight	Predictes a molecular mass of 10.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	24-94
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 24-94 aa (Q9Y258) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human C-C motif chemokine 26 (CCL26) fragment (residues 24-94) is a high-purity protein designed for research applications. This stable and soluble fragment retains key functional domains, making it ideal for studying eosinophil and basophil chemotaxis, calcium mobilization assays, and receptor interaction studies. C-C motif chemokine 26 (CCL26), also known as Eotaxin-3, is a secreted chemokine that functions as a potent chemoattractant for eosinophils and basophils. It acts through binding to C-C chemokine receptor CCR3, triggering calcium mobilization in eosinophils, and also serves as a ligand for CX3C chemokine receptor CX3CR1, inducing cell chemotaxis. As a naturally secreted protein, CCL26 plays important roles in inflammatory responses and immune cell recruitment. The selected fragment (residues 24-94) represents a stable, soluble unit containing the core functional domain, preserving the protein's receptor-binding capabilities while offering improved handling characteristics for experimental applications.