Recombinant CCL28 protein (His tag)

Catalog Number	543722
Synonyms	Mucosae-associated epithelial chemokine; MEC; Protein CCK1; Small-inducible cytokine A28
Species	Human
Expression System	E. coli
Accession	Q9NRJ3
Molecular Weight	Predictes a molecular mass of 14.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	20-127
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 20-127 aa (Q9NRJ3) 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 CCL28 (20-127) is a high-purity protein fragment representing the functional chemokine domain of C-C motif chemokine 28. This 108-amino acid fragment maintains the chemotactic activity of the full-length protein, making it ideal for immunological and chemokine signaling research applications. C-C motif chemokine 28 (CCL28), also known as Mucosae-associated epithelial chemokine (MEC), is a secreted chemokine that exhibits chemotactic activity for resting CD4 and CD8 T-cells as well as eosinophils. The protein functions by binding to CCR3 and CCR10 receptors, inducing calcium mobilization in a dose-dependent manner. As a secreted protein, CCL28 plays important roles in immune cell recruitment and inflammatory responses, making it a valuable target for immunological research and therapeutic development.