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Recombinant human CCL28/MEC protein

Catalog Number: ATGP0387

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-127aa

UniProt No.

Q9NRJ3

NCBI Accession No.

NP 683513

Alternative Names

C-C motif chemokine ligand 28, Mucosae-associated epithelial chemokine, MEC, Protein CCK1, Small-inducible cytokine A28, SCYA28, CCK1

PRODUCT SPECIFICATION

Molecular Weight

14.3 kDa (126aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CCL28, also known as chemokine (C-C motif) ligand 28 or mucosae-associated epithelial chemokine (MEC), belongs to the subfamily of small cytokine CC proteins. CCL28 is expressed by columnar epithelial cells in the gut, lung, breast and the salivary glands and drives the mucosal homing of T and B lymphocytes that express



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CCR10, and the migration of eosinophils expressing CCR3. This chemokine is constitutively expressed in the colon, but its levels can be increased by pro-inflammatory cytokines and certain bacterial products implying a role in effector cell recruitment to sites of epithelial injury. Recombinant CCL28 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

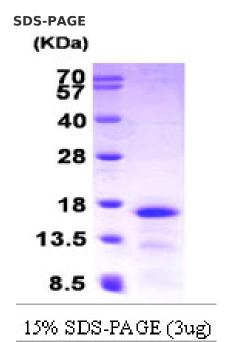
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MILPIASSCC TEVSHHISRR LLERVNMCRI QRADGDCDLA AVILHVKRRR ICVSPHNHTV KOWMKVQAAK KNGKGNVCHR KKHHGKRNSN RAHOGKHETY GHKTPY

General References

Pacheco-Rodriguez G., et al. (2009) J Immunol. 182(3):1270-7. Sundstrom P., et al. (2008) Eur J Immunol. 38(12):3327-38.

DATA



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

