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

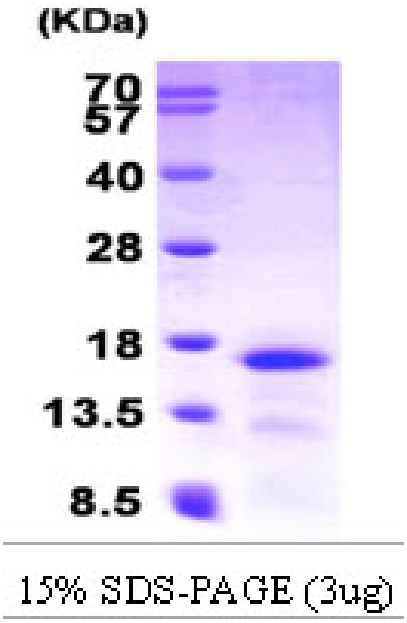
MGSSHHHHHH SSGLVPRGSH MILPIASSCC TEVSHHISRR LLERVNMCRI QRADGDCDLA AVILHVKRRR ICVSPHNHTV KQWMKVQAAK KNGKGNVCHR KKHHGKRNSN RAHQGKHETY GHKTPY

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

SDS-PAGE



15% SDS-PAGE (3ug)

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