

Recombinant human CCL4L1/MIP-1 beta protein

Catalog Number: ATGP1042

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-92aa

UniProt No.

Q8NHW4

NCBI Accession No.

NP_996890.1

Alternative Names

C-C motif chemokine ligand 4 like 1, Lymphocyte activation gene 1 protein, LAG-1, Macrophage inflammatory protein 1-beta, MIP-1-beta, Monocyte adherence-induced protein 5-alpha, Small-inducible cytokine A4-like, SCYA4L, AT744.2

PRODUCT SPECIFICATION

Molecular Weight

10.5 kDa (94aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/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

CCL4L1 (C-C motif chemokine 4-like) belongs to intercrine beta (chemokine CC) family. This protein is similar to CCL4 which inhibits HIV replication in peripheral blood monocytes that express CCR5. Recombinant human

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CCL4L1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMAPMGS DPPTACCFSY TARKLPRNFV VDYETSSLC SQPAVVFQTK RGKQVCADPS
ESWVQEYVYD LELN

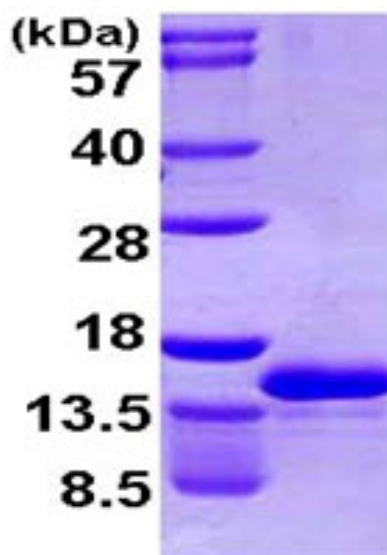
General References

Howard O.M.Z., et al. (2004) Biochem. Biophys. Res. Commun. 320:927-931

Colobran R, et al. (2005) J Immunol. 174(9):5655-64.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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