Recombinant mouse CCL2/MCP-1 protein

Catalog Number: ATGP2074

PRODUCT INFORMATION

Expression system
E.coli

Domain
24-148aa

UniProt No.
P10148

NCBI Accession No.
NP_035463

Alternative Names
Chemokine (C-C motif) ligand 2, Monocyte chemoattractant protein 1, Monocyte chemotactic protein 1, MCP-1, Platelet-derived growth factor-inducible protein JE, Small-inducible cytokine A2, Je, Mcp1, Scya2, HC11, MCAF, Sigje, SMC-CF

PRODUCT SPECIFICATION

Molecular Weight
16 kDa (146aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) 10% glycerol

Purity
> 85% by SDS-PAGE

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
Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemotactic protein-1 (MCP-1). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors

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CCR2 and CCR4. Recombinant mouse CCL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

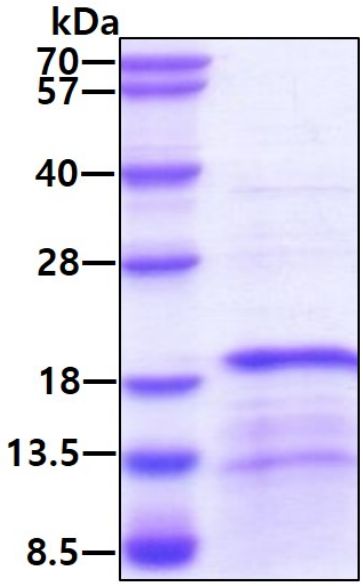
<MGSSHHHHHH SSGLVPRGSH M>QPDAVNAPL TCCYSFTSKM IPMSRLESYK RITSSRCPKE AVVFVTKLKR EVCADPKKEW VQTYIKNLDR NQMRSEPTTL FKTASALRSS APLNVKLTRK SEANASTTFS TTTSSTSVGV TSVTVN

General References

Foresti ML, Arisi GM, et al. (2009). J Neuroinflammation. 6:40.
Semple BD, Bye N, et al. (2010). J Cereb Blood Flow Metab. 30(4):769-82.

DATA

SDS-PAGE



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