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Datasheet for ABIN7505102
CCL2 Protein (AA 24-99) (GST tag)

Overview

Quantity:	100 µg
Target:	CCL2
Protein Characteristics:	AA 24-99
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL2 protein is labelled with GST tag.

Product Details

Sequence:	Gln 24-Thr 99
Characteristics:	A DNA sequence encoding the Human MCP-1 protein (P13500) (Gln 24-Thr 99) was expressed with a N-GST tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CCL2
Alternative Name:	MCP-1 (CCL2 Products)
Background:	Abbreviation: MCP-1 Target Synonym: C-C motif chemokine 2,HC11,Monocyte chemoattractant protein 1,MCAF,Monocyte chemotactic protein 1,MCP-1,Monocyte secretory protein JE,CCL2 Background: The chemokine (C-C motif) ligand 2 (CCL2), also known as monocyte

Target Details

chemoattractant protein (MCP)-1 and small inducible cytokine A2 (SCYA2)), is a small cytokine that belongs to the CC chemokine family responsible for monocyte attraction. Its cognate receptor, CCR2, play a critical role in regulating nociceptive processes during neuropathic pain. Both CCL2 and CCR2 are implicated in induction of autoimmunity. CCL2 recruits monocytes, memory T cells, and dendritic cells to the sites of inflammation produced by either tissue injury or infection. Recently research also showed that CCL2 might be useful as a biomarker of fibrosis as well as a target for therapeutic intervention.

Molecular Weight: Calculated MW: 33.25 kDa
Observed MW: 35 kDa

UniProt: [P13500](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months