

Datasheet for ABIN7519838
CCL2 Protein (His tag)



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Overview

Quantity:	50 µg
Target:	CCL2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CCL2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human CCL2/MCP-1 Protein
Sequence:	QPDAINAPVT CCYNFTNRKI SVQRLASYRR ITSSKCPKEA VIFKTIVAKE ICADPKQKWW QDSMDHLDKQ TQTPKT
Specificity:	Gln24-Thr99
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured by its ability to chemoattract THP-1 cells. The ED ₅₀ for this effect is typically 3.33-13.32 ng/mL.

Target Details

Target:	CCL2
Alternative Name:	CCL2/MCP-1 (CCL2 Products)
Background:	<p>Description: Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.</p> <p>Name: HC11, MCAF, MCP1, MCP-1, SCYA2, GDCF-2, SMC-CF, HSMCR30,CCL2</p>
Gene ID:	6347
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
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.