Datasheet for ABIN2018230

CCL8 Protein (AA 24-99)

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Overview

Quantity:	25 µg
Target:	CCL8
Protein Characteristics:	AA 24-99
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50< 0.5 xg/mL, measured by the FLIPR assay using CHO cells transfected with human CCR5, the receptor of human CCL8, corresponding to a specific activity of > 2 x 10^3 units/mg.
Purity:	> 95 % by SDS-PAGE analysis.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	CCL8
Alternative Name:	MCP-2/CCL8 (CCL8 Products)
Background:	MCP-2 is a member of the chemokines, a group of 70-80 residue proteins sharing substantial sequence similarity. Within the chemokines, MCP-2 belongs to the CC subfamily, and is a member of the Monocyte Chemoattractant Proteins (MCPs), which includes MCP-1, MCP-2, MCP-3, MCP-4, and MCP-5. MCP-2 shares 60 % homology with MCP-1, and both proteins can

Target Details

	undergo reversible dimerization. The main receptors of MCP-2 are G-protein coupled receptors CCR1 and CCR5. MCP-2 is a potential target in HIV-1 infected human glial cells as it may play a role in the modulation of viral spread in the brain. Recently, researchers found that mouse MCP-2 is expressed in the skin as a novel agonist of CCR8 and plays a role in eosinophilic inflammation.Recombinant human MCP-2/CCL8(rhMCP-2) produced in E. coli is a single non-glycosylated polypeptide chain containing 76 amino acids. A fully biologically active molecule, rhMCP-2 has a molecular mass of 8.9 kDa analyzed by reducing SDS-PAGE. Synonyms: Monocyte Chemoattractant Protein-2, HC14, SCYA8
Molecular Weight:	8.9 kDa, observed by reducing SDS-PAGE.
UniProt:	P80075

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human MCP-2/CCL8(rhMCP-2) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhMCP-2 remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months