


Human CCL2 Protein, His tag (Animal-Free)

Cat #: PRP1908

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human CCL2 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1908	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: The chemokine (C-C motif) ligand 2 (CCL2), also known as monocyte 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.

Sequence: Amino acid sequence derived from Human CCL2 (Gln24-lys98) (P13500) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Human CCL2 Protein consists of 75 amino acids and predicts a molecular mass of 8.5 kDa.

Biological Activity: Measured by its ability to chemoattract BaF3 cells transfected with human CCR2A. The ED₅₀ for this effect is <20 ng/mL.

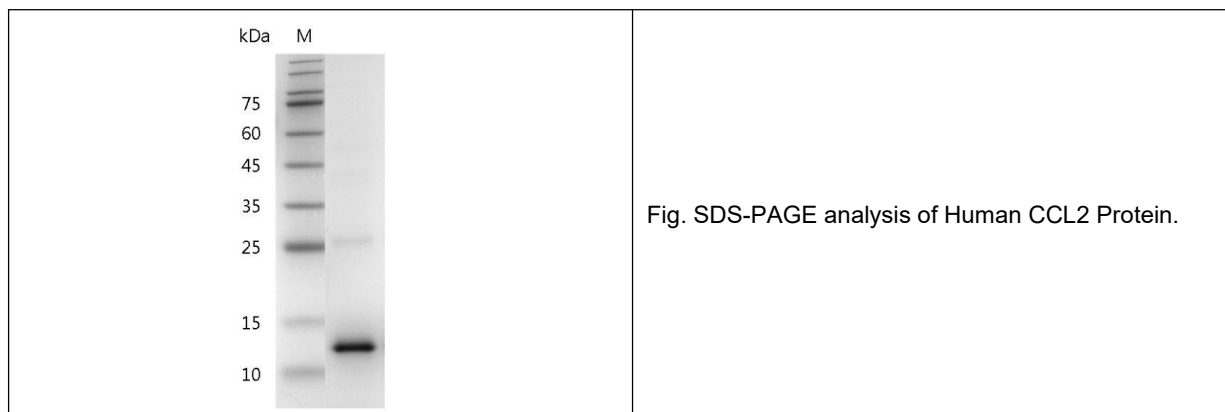
Endotoxin: <0.1 EU per µg of the protein by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein

to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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