

Recombinant Pig CCL2 Protein (Gln24-Pro99), N-His tagged, Animal-free, Carrier-free

Cat. No. CCL2-209P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Pig CCL2 Protein (Gln24-Pro99) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Gln24-Pro99
Description	CCL2 (Chemokine ligand 2) is also named for the MCP1 (monocyte chemoattractant protein 1) which is a cytokine of CC chemokine family. CCL2 plays an important role in the recruitment of T cell and monocyte during inflammation, which is induced by the infection. CCL2 is secreted from the osteoblasts which is under the mediation of the NF-κB pathway. In cancer therapy, CCL2 plays an important role in increasing the anti-tumor capability of monocytes and neutrophils.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 9.42 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.

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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

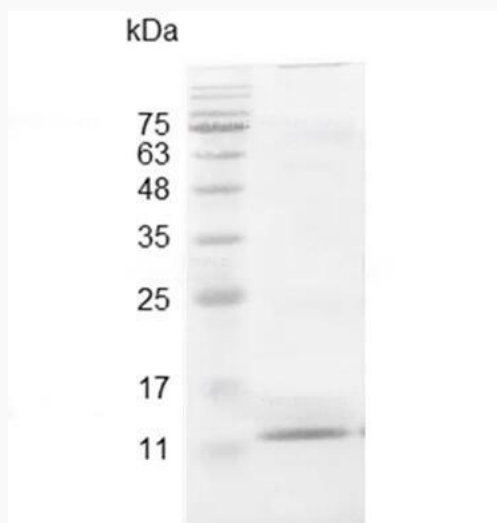
Gene Name	CCL2 chemokine (C-C motif) ligand 2 [<i>Sus scrofa</i>]
Official Symbol	CCL2
Synonyms	CCL2; chemokine (C-C motif) ligand 2; C-C motif chemokine 2; small-inducible cytokine A2; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; MCP-1;
Gene ID	397422
mRNA Refseq	NM_214214
Protein Refseq	NP_999379
UniProt ID	P42831

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**SDS-PAGE analysis
of recombinant
swine CCL2.**



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