

Swine recombinant CCL2 (C-C Motif Chemokine Ligand 2) protein, AF

Catalog Number: PROTP42831

Overview

Product Name	Swine recombinant CCL2 (C-C Motif Chemokine Ligand 2) protein, AF
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-kappaB pathway. In cancer therapy, CCL2 plays an important role in increasing the anti-tumor capability of monocytes and neutrophils.
Size	5ug,20ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 9.42 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

Activity

Testing in process

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

QPDAINSPVTCCYTLTSKKISMQRQLMSYRRVTSSKCPKEAVIFKTIAGKEICAEPKQKWWQDSISHLDDKKNQTPKP with polyhistidine tag at the N-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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