

Recombinant Swine Chemokine (C-C motif) Ligand 4

Cat. No. CCL4-146S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Swine CCL4 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 7.8 kDa (69 aa).
Species	Pig
Source	Yeast
Description	CCL4 is a CC chemokine with specificity for CCR5 receptors. It is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is a major HIV-suppressive factor produced by CD8+ T cells. Perforin-low memory CD8+ T cells that normally synthesize MIP-1-beta.
Sequences Of Amino Acids	APMGSDPPTS CCFTYTVRKL PRNFVTDYYE TSSLCSQPAV VFQTKKGRQV CANPSDDWVQ EYMDDLELN.
Formulation/Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as visualized by SDS-PAGE analysis.
Purification	Ion-exchange chromatography.
Biological Activity	The biological activity of recombinant swine CCL4 was determined in a chemotaxis assay using a Boyden chamber with freshly isolated swine PBMC monocytes using a Percoll gradient enrichment method. Biological activity

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	typically peaks at 10 ng/mL.
Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway

GENE INFORMATION

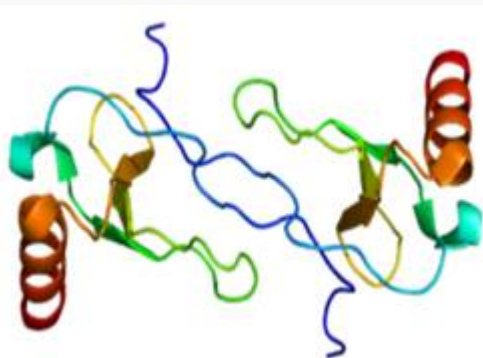
Gene Name	CCL4 chemokine (C-C motif) ligand 4 [<i>Sus scrofa</i>]
Synonyms	CCL4; chemokine (C-C motif) ligand 4; MIP1b; SCY4A; MIP-1BETA; MIP-1-beta; C-C motif chemokine 4; small-inducible cytokine A4; macrophage inflammatory protein 1-beta
Gene ID	396668
mRNA Refseq	NM_213779
Protein Refseq	NP_998944
UniProt ID	Q711P4

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