Active GMP Recombinant Mouse Cxcl7 (40-113) Protein, His-Tagged

Cat. No. Cxcl7-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Cxcl7 (40-113) Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
ProteinLength	40-113 a.a.
Description	Predicted to enable chemokine binding activity; chemokine receptor activity; and scavenger receptor activity. Acts upstream of or within negative regulation of cell population proliferation and positive regulation of ERK1 and ERK2 cascade. Predicted to be located in several cellular components, including cell surface; clathrin-coated pit; and endosome. Predicted to be active in external side of plasma membrane. Is expressed in several structures, including adrenal gland; central nervous system; genitourinary system; heart; and hemolymphoid system. Orthologous to human ACKR3 (atypical chemokine receptor 3).
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is <1 μg/mL.

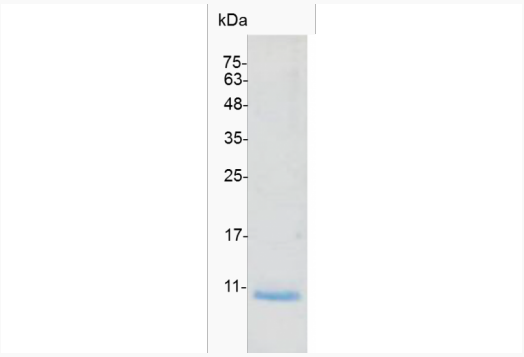
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AA Sequence	KSDGMDPYIELRCRCTNTISGIPFNSISLVNVYRPGVHCADVEVIATLKNGQKTCLDP NAPGVKRIVMKILEGY with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Official Symbol	Cxcl7
Synonyms	Rdc1; Cxcr7; RDC-1; CXC-R7; CXCR-7; Cmkor1
Gene ID	12778
mRNA Refseq	NM_001271607.1
Protein Refseq	NP_001258536.1
UniProt ID	P56485

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