

Recombinant Mouse CXCL12 Protein

Cat. No. CXCL12-24M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CXCL12 Protein was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	68 amino acid
Description	This gene encodes a member of the alpha chemokine protein family. The encoded protein is secreted and functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4. The encoded protein plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Alternative splicing results in multiple transcript variants.
Form	Lyophilized
Molecular Mass	7.9735 kDa
AA Sequence	KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK
Endotoxin	Endotoxin-free <0.01 EU/ug
Purity	Purity assessed by HPLC, Mass Spectrometry, and NMR

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Storage	Store at -20 to -80 centigrade for 12 months; Store at 4 centigrade for 6 months; Store at RT for 1 month.
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tmpcolum67	C-X-C motif chemokine ligand 12
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GENE INFORMATION

Gene Name	Cxcl12 chemokine (C-X-C motif) ligand 12 [<i>Mus musculus</i> (house mouse)]
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Official Symbol	CXCL12
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Synonyms	Pbsf; Sdf1; Tlsf; Tpar1; Scyb12
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Gene ID	20315
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mRNA Refseq	NM_013655
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Protein Refseq	NP_038683
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UniProt ID	P40224
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