

## Recombinant Mouse CXCL12 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CXCL12 Protein was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	68 amino acid
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	7.9735 kDa
<b>AA Sequence</b>	KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK
<b>Endotoxin</b>	Endotoxin-free <0.01 EU/ug
<b>Purity</b>	Purity assessed by HPLC, Mass Spectrometry, and NMR

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<b>Storage</b>	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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<b>tmpcolum67</b>	C-X-C motif chemokine ligand 12
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## GENE INFORMATION

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