

## Product datasheet for **TP723403**

### Cxcl12 (NM\_021704) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse chemokine (C-X-C motif) ligand 12 (Cxcl12), transcript variant 1.
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK
Tag:	Tag Free
Predicted MW:	7.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract human peripheral blood monocytes using a concentration of 50-100 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_068350</a>
Locus ID:	20315
UniProt ID:	<a href="#">P40224</a>
RefSeq Size:	1878
Cytogenetics:	6 F1
RefSeq ORF:	267
Synonyms:	PB; Pbsf; PBSF/SD; Scyb1; Scyb12; Sdf; SDF-; Sdf1; TLS; Tlsf; TP; Tpar1



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**Summary:**

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. [provided by RefSeq, May 2013]