Active Recombinant Mouse Cxcl12 protein

Cat. No. Cxcl12-4725M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl12 protein(Lys22-Lys89) was expressed in Pichia.
Species	Mouse
Source	Pichia
ProteinLength	22-89 aa
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to chemoattract MOLT4 cells. The ED50 for this effect is 8.49-33.94 ng/mL, corresponding to a specific activity of 2.95×10^4~1.18×10^5 units/mg.
Molecular Mass	7.98 kDa
Endotoxin	< 1 EU/μg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term

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	storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name	Cxcl12 chemokine (C-X-C motif) ligand 12 [Mus musculus]
Official Symbol	Cxcl12
Synonyms	CXCL12; chemokine (C-X-C motif) ligand 12; stromal cell-derived factor 1; C-X-C motif chemokine 12; pre-B cell growth-stimulating factor; pre-B-cell growth-stimulating factor; thymic lymphoma cell-stimulating factor; 12-O-tetradecanoylphorbol 13-acetate repressed protein 1; Pbsf; Sdf1; Tlsf; Sdf1a; Sdf1b; Tlsfa; Tlsfb; Tpar1; Scyb12; AI174028;
Gene ID	20315
mRNA Refseq	NM_001012477
Protein Refseq	NP_001012495

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