Bioactive

Cxcl12 (Mouse) Recombinant Protein

Catalog # P7501 Size 5 ug

Specification

Product Description	Mouse Cxcl12 (Q4FJL5, 22 a.a. - 89 a.a.) partial recombinant protein expressed in CHO cell.
Sequence	KPVSLSYRCPCRFFESHIARANVKHLKILNTPNCALQIVARLKNNNRQVCIDPKLKWIQEYLEKALN K
Host	Mammals
Theoretical MW (kDa)	8
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method)
Activity	The ED_{50} was determined on Ca^{2+} mobilization assay in CHO-K1/Galpha15/mCXCR4 cells (human Galpha15 and mCXCR4 stably expressed in CHO-K1 cells) is < 1.5 ug/mL.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — Cxcl12

Entrez GeneID	20315
Protein Accession#	Q4FJL5
Gene Name	Cxcl12
Gene Alias	AI174028, PBSF, PBSF/SDF-1, SDF-1, Scyb12, Sdf1, Sdf1a, Sdf1b, TLSF, TLSF-a, TLSF-b, TPAR1
Gene Description	chemokine (C-X-C motif) ligand 12
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000026112|OTTMUSP00000026113|OTTMUSP00000026114|pre-B-cell growth-stimulating factor|stromal cell derived factor 1

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