

# Product Datasheet

## Recombinant Rat CXCL12/SDF-1 beta Protein NBP2-35291-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-35291-100ug**

Recombinant Rat CXCL12/SDF-1 beta Protein

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Target Molecular Weight	8.4 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 72 amino acids corresponding to CXCL12/SDF-1 beta <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> Q9QZD1  <b>Amino Acid Sequence:</b> KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNKRL KM
Gene ID	6387
Gene Symbol	CXCL12
Species	Rat
Details of Functionality	SDF1 beta Protein is fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 100-200 ng/ml.
Endotoxin Note	Less than 1 EU/ug of CXCL12/SDF-1 beta as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity





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### **Products Related to NBP2-35291-100ug**

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NBP2-35260-100ug	Recombinant Human CXCL12/SDF-1 beta Protein
210-TA-005	TNF-alpha [Unconjugated]
351-FS-010/CF	CXCL12/SDF-1 beta
DVE00	VEGF [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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