



# Recombinant Human SDF-1 beta (CXCL12)

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-100S</b>
Size:	2 µg
Lot. No.:	According to product label

### Sequence

KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA  
RLKNNNRQVC IDPKLKWIQE YLEKALNKRF KM

### Database References

<b>Protein RefSeq:</b>	NP_954637.1
<b>Uniprot ID:</b>	P48061
<b>mRNA RefSeq:</b>	NM_199168.3

## Scientific Background

<b>Gene-ID (NCBI):</b>	6387
<b>Synonyms:</b>	CXCL12; IRH; PBSF; SDF1; TLSF; SDF1A; SDF1B; TPAR1; SCYB12

Stromal Cell-Derived Factor 1β (SDF1-β) is a recently discovered protein belonging to the α-chemokine (C-X-C) family of cytokines. Human SDF1-β is an 8.5 kDa protein containing 72 amino acid residues.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	72
<b>MW:</b>	8.5 kDa

**Biological Activity:** Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration range of 20-80 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**