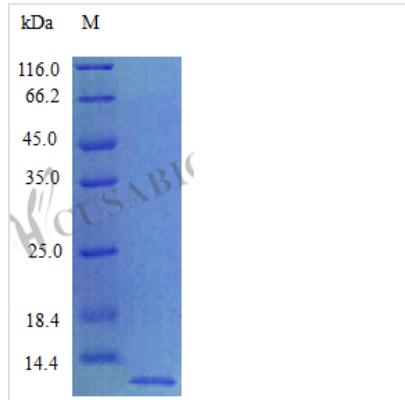




Recombinant Rat Chemokine (C-X-C motif) ligand 12 (Stromal cell-derived factor 1) protein (Cxcl12) (Active)

Product Code	CSB-AP001471RA
Abbreviation	Recombinant Rat Cxcl12 protein (Active)
Uniprot No.	Q9QZD1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
Product Type	Chemokine
Immunogen Species	Rattus norvegicus (Rat)
Biological Activity	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.
Purity	>97% as determined by SDS-PAGE.
Sequence	KPVSLSYRCP CRFFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNK+RL KM
Research Area	Immunology
Source	E.coli
Target Names	Cxcl12
Expression Region	22-89aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	8.4 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	11438578
Image	

**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.