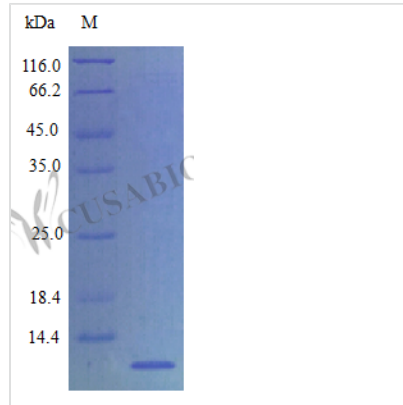




# Recombinant Rat Chemokine (C-X-C motif) ligand 12 (Stromal cell-derived factor 1) protein (Cxcl12) (Active)

<b>Product Code</b>	CSB-AP001461RA
<b>Abbreviation</b>	Recombinant Rat Cxcl12 protein (Active)
<b>Uniprot No.</b>	Q9QZD1
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
<b>Product Type</b>	Chemokine
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Biological Activity</b>	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 50-100 ng/ml.
<b>Purity</b>	≥97% as determined by SDS-PAGE.
<b>Sequence</b>	KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNK
<b>Research Area</b>	Immunology
<b>Source</b>	E.Coli
<b>Target Names</b>	Cxcl12
<b>Expression Region</b>	22-89aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	7.9 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	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.