

Active Recombinant Rhesus CXCL12 Protein, Fc-tagged

Cat. No. CXCL12-1166R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rhesus CXCL12 (NP_001028106.1) (Met 1-Lys 89) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	1-89 a.a.
Predicted N Terminal	Lys 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to bind biotinylated recombinant human DPPIV in a functional ELISA.
Molecular Mass	The recombinant rhesus CXCL12 consists of 309 amino acids and has a calculated molecular mass of 34.8 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CXCL12 chemokine (C-X-C motif) ligand 12 [*Macaca mulatta*]

Official Symbol CXCL12

Synonyms chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1); chemokine CXCL12/SDF-1ALPHA; stromal cell-derived factor 1 isoform alpha; stromal cell-derived factor 1 isoform beta; stromal cell-derived factor 1 isoform gamma

Gene ID 574334

mRNA Refseq NM_001032934

Protein Refseq NP_001028106

MIM

UniProt ID

Chromosome Location chromosome: 9

Pathway Axon guidance, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Intestinal immune network for IgA production, conserved biosystem

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