

Recombinant mouse Cxcl12, GST-tagged

Cat. No. Cxcl12-11719M Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Mouse Cxcl12 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | 1-89a.a. |
| Description | The protein encoded by this gene is a member of the intercrine-macrophage inflammatory protein superfamily. It is a secreted protein thought to be involved in the generation and proliferation of early B-cell progenitors. Three transcript variants encoding three different isoforms have been found for this gene. |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | Cxcl12 chemokine (C-X-C motif) ligand 12 [<i>Mus musculus</i>] |
| Official Symbol | Cxcl12 |

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Synonyms

CXCL12; chemokine (C-X-C motif) ligand 12; stromal cell-derived factor 1; C-X-C motif chemokine 12; pre-B cell growth-stimulating factor; pre-B-cell growth-stimulating factor; thymic lymphoma cell-stimulating factor; 12-O-tetradecanoylphorbol 13-acetate repressed protein 1; Pbsf; Sdf1; Tlsf; Sdf1a; Sdf1b; Tlsfa; Tlsfb; Tpar1; Scyb12; AI174028;

Gene ID

20315

mRNA Refseq

NM_001012477

Protein Refseq

NP_001012495

Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;

Function

CXCR chemokine receptor binding; chemokine activity; cytokine activity; growth factor activity;

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