

Active Recombinant Mouse Cxcl5 Protein (Val1-Ala118), N-His tagged, Animal-free, Carrier-free

Cat. No. Cxcl5-79M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl5 Protein (Val1-Ala118) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Val1-Ala118
Description	C-X-C motif chemokine 5 (CXCL5) also named epithelial-derived neutrophil-activating peptide 78 (ENA-78), which is a chemokine of the intercrine alpha family. CXCL5 is a 8.2 kDa protein containing 74 amino acid residues. CXCL5 is stimulated by the IL-1 or TNF α during inflammation which produced by the eosinophils and CXCL5 is inhibited by the IFN γ .CXCL5 promotes the formation of blood vessels and angiogenesis by binding the cell receptor CXCR2.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 100 ng/mL.
Molecular Mass	The protein has a calculated MW of 8.92 kDa. The protein migrates below 9 kDa under reducing condition (SDS-PAGE analysis).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Cxcl5 chemokine (C-X-C motif) ligand 5 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cxcl5
Synonyms	CXCL5; chemokine (C-X-C motif) ligand 5; C-X-C motif chemokine 5; cytokine LIX; small-inducible cytokine B5; granulocyte chemotactic protein-2; small inducible cytokine B subfamily, member 5; small inducible cytokine subfamily B, member 15; LIX; GCP-2; Scyb5; Scyb6; ENA-78; AMCF-II;
Gene ID	20311

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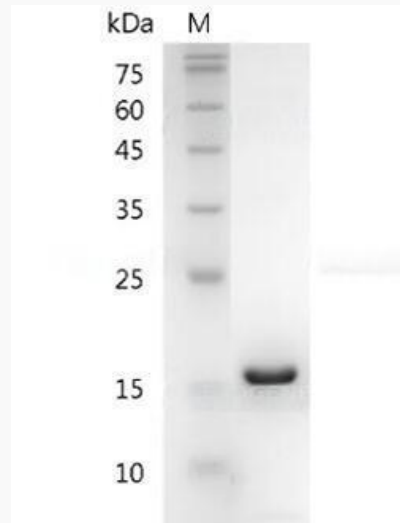
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mRNA Refseq [NM_009141](#)

Protein Refseq [NP_033167](#)

UniProt ID [P50228](#)

**SDS-PAGE analysis
of recombinant
mouse CXCL5.**



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