

## Active Recombinant Human CXCL5 Protein (Arg45-Asn114), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL5-272H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CXCL5 Protein (Arg45-Asn114) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg45-Asn114
<b>Description</b>	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 8kDa protein containing 70 amino acid residues. CXCL5 is stimulated by the IL-1 or TNF $\alpha$ during inflammation which produced by the eosinophils and CXCL5 is inhibited by the IFN $\gamma$ . CXCL5 promotes the formation of blood vessels and angiogenesis by binding the cell receptor CXCR2.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 10 ng/mL
<b>Molecular Mass</b>	The protein has a calculated MW of 8.51 kDa. The protein migrates as 12 kDa under reducing condition (SDS-PAGE analysis).

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<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

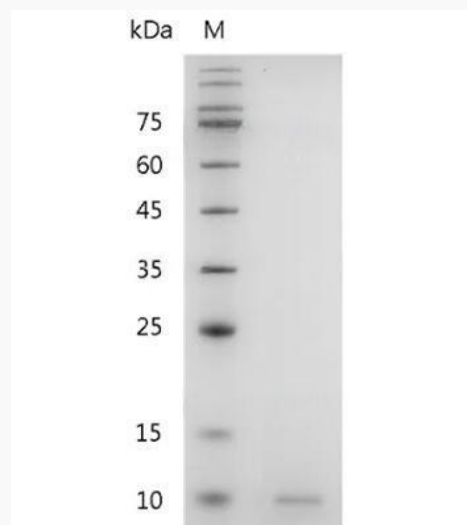
<b>Gene Name</b>	CXCL5 chemokine (C-X-C motif) ligand 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CXCL5
<b>Synonyms</b>	CXCL5; chemokine (C-X-C motif) ligand 5; SCYB5, small inducible cytokine subfamily B (Cys X Cys), member 5 (epithelial derived neutrophil activating peptide 78); C-X-C motif chemokine 5; ENA 78; ENA-78(1-78); small inducible cytokine B5; small-inducible cytokine B5; neutrophil-activating protein 78; neutrophil-activating peptide ENA-78; epithelial-derived neutrophil activating protein 78; epithelial-derived neutrophil-activating peptide 78; epithelial-derived neutrophil-activating protein 78; small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial-derived

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neutrophil-activating peptide 78); SCYB5; ENA-78;

**Gene ID** 6374**mRNA Refseq** NM\_002994**Protein Refseq** NP\_002985**MIM** 600324**UniProt ID** P42830**SDS-PAGE analysis  
of recombinant  
human CXCL5.** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA