

Active Recombinant Human CXCL6 Protein (Val40-Asn114), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL6-270H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL6 Protein (Val40-Asn114) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Val40-Asn114
Description	C-X-C motif chemokine 6 (CXCL6) also named granulocyte chemotactic protein 2 (GCP-2), which is a chemokine of the intercrine alpha family. CXCL6 is a 8.3kDa protein containing 75 amino acid residues. CXCL6 has a significant role in resistance of gram-positive and gram-negative bacteria which is a chemotaxis for neutrophil granulocytes. CXCL6 has a role in in the process of carcinogenesis which affects proliferation and metastasis of OS cells by the interaction with CXCR1 /CXCR2.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 10 ng/mL.
Molecular Mass	The protein has a calculated MW of 8.97 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).

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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 H ₂ 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.
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	CXCL6 chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2) [Homo sapiens (human)]
Official Symbol	CXCL6
Synonyms	CXCL6; chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2); SCYB6, small inducible cytokine subfamily B (Cys X Cys), member 6 (granulocyte chemotactic protein 2); C-X-C motif chemokine 6; CKA 3; GCP 2; chemokine alpha 3; small-inducible cytokine B6; granulocyte chemotactic protein 2; Small inducible cytokine subfamily B (Cys-X-Cys), member b; small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemotactic protein 2); GCP2; CKA-3; GCP-2;

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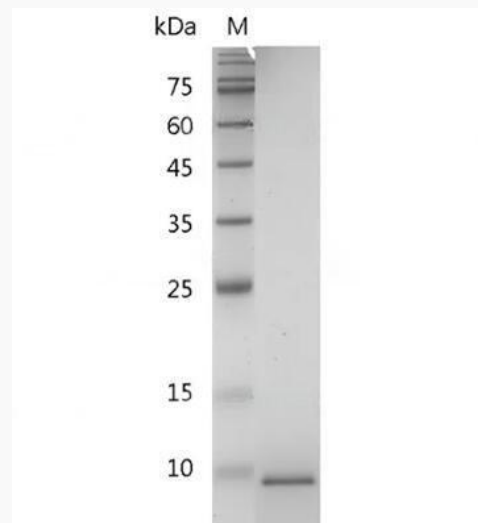
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SCYB6;

Gene ID 6372**mRNA Refseq** NM_002993**Protein Refseq** NP_002984**MIM** 138965**UniProt ID** P80162

**SDS-PAGE analysis
of recombinant
human CXCL6.**



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