

Recombinant Human CXCL6 protein

Cat. No. CXCL6-75H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL6 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	72
Description	Chemokine (C-X-C motif) ligand 6 (CXCL6) is a small cytokine belonging to the CXC chemokine family that is also known as granulocyte chemotactic protein 2 (GCP-2). As its former name suggests, CXCL6 is a chemoattractant for neutrophilic granulocytes. It elicits its chemotactic effects by interacting with the chemokine receptors CXCR1 and CXCR2. The gene for CXCL6 is located on human chromosome 4 in a cluster with other CXC chemokine genes.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration range of 10-50 ng/ml.
Molecular Mass	Approximately 7.9 kDa, a single non-glycosylated polypeptide chain containing 72 amino acids.
AA Sequence	VLTELRCTCLRVTLRVNPKTIGKLQVFPAGPQCCKVEVVASLKNKGKQVCLDPEAPFL

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KKVIQKILDSGNKKK

Endotoxin Less than 0.1 EU/g of rHuGCP-2/CXCL6 as determined by LAL method.

Purity >98% by SDS-PAGE and HPLC analysis.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name CXCL6

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; SCYB6;

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

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