Active Recombinant Human CXCL6 protein

Cat. No. CXCL6-171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL6 protein was expressed in CHO.
Species	Human
Source	CHO
Description	Granulocyte chemotactic protein 2 (GCP-2) also known as Chemokine (C-X-C motif) ligand 6 (CXCL6) is a small cytokine belonging to the CXC chemokine family. As its former name suggests, GCP-2 is a chemoattractant for neutrophilic granulocytes. Among human CXC chemokines, GCP2 is most closely related to ENA78 (78% amino acid (aa) sequence identity in the mature peptide region and 86% identity in the signal sequence). The structure and sequence of the genes for human GCP2 and ENA78 also exhibit close similarity suggesting the two genes may have originated from a gene duplication. GCP2 can signal through the CXCR1 and CXCR2 receptors.
Form	Lyophilized after extensive dialysis against PBS.
Bio-activity	The EC50 value of human GCP-2/CXCL6 on Ca2+ mobilization assay in CHO-K1/Gα15/hCXCR2 cells (human Gα15 and human CXCR2 stably expressed in CHO-K1 cells) is less than 0.8 μg/ml.
Molecular Mass	~9 kDa
Endotoxin	< 0.2 EU/μg of protein by gel clotting method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 98%
Storage	Upon receiving, this product remains stable for up to 6 months at lower than -70 centigrade. Upon reconstitution, the product should be stable for up to 1 week at 4 centigrade or up to 3 months at -20 centigrade. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 µg/ml.

GENE INFORMATION

Gene Name	CXCL6 C-X-C motif chemokine ligand 6 [Homo sapiens (human)]
Official Symbol	CXCL6
Synonyms	CXCL-6; SCYB6; GCP-2; CKA-3
Gene ID	6372
mRNA Refseq	NM_002993.4
Protein Refseq	NP_002984.1
MIM	138965
UniProt ID	P80162

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA