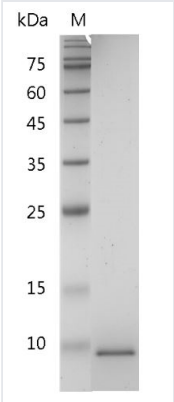
CXCL6 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CXCL6, Recombinant Protein
Full Product Name	Human CXCL6 Protein, His tag (Animal-Free)
Product Gene Name	CXCL6 recombinant protein
Product Synonym Names	CXCL6; CXCL-6; CXCL 6; Granulocyte Chemotactic Protein-2; GCP-2
Sequence	Val40-Asn1 14
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4.
Purity/Purification	>98 % as determined by SDS-PAGE
Preparation and Storage	Lyophilized protein product should be stored desiccated below -18 degree C. Upon reconstitution, the protein should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (5% HSA,10% FBS or 0.1%BSA). Please prevent freeze-thaw cycles. Shipping: Gel pack with blue ice.
Molecular Weight	11,897 Da
Sequence Positions	75aa
OMIM	138965
3D Structure	ModBase 3D Structure for P80162
Species	Human
Tag	His tag
Endotoxin	<0.1 EU per ug of the protein as determined by the LAL method.
Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2.The ED?? for this effect is <10ng/mL.
Protein Construction	The recombinant Human CXCL6 consists of 75 amino acids and predicts a molecular mass of 8.97kDa Amino acid sequence derived from Human CXCL6 (Val40-Asn114)(P80162) was expressed with 6×His tag at the N-terminus.
Usage Notes	Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.
Product Categories/Family for CXCL6 recombinant protein	Cytokines and proteins
Related Product Information for CXCL6 recombinant protein	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.
Other Notes	Small volumes of CXCL6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CXCL6 purchase	MBS9719734 is a recombinant protein targeting CXCL6. Also known as Human CXCL6 Protein, His tag (Animal-Free). Host: E coli.



Testing Data of CXCL6 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCL6. It may not necessarily be applicable to this product.

NCBI GI #	4506851
NCBI GeneID	6372
NCBI Accession #	NP_002984.1
UniProt Primary Accession #	P80162
UniProt Secondary Accession #	Q4W5D4; B2R4X3
UniProt Related Accession #	P80162
GenBank Nucleotide #	NM_002993.3
NCBI Official Full Name	C-X-C motif chemokine 6
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 6
NCBI Official Symbol	CXCL6
NCBI Official Synonym Symbols	GCP2; CKA-3; GCP-2; SCYB6
UniProt Protein Name	C-X-C motif chemokine 6
UniProt Synonym Protein Names	Chemokine alpha 3; CKA-3; Granulocyte chemotactic protein 2; GCP-2; Small-inducible cytokine B6Cleaved into the following 3 chains:Small-inducible cytokine B6, N-processed variant 1; Small-inducible cytokine B6, N-processed variant 2; Small-inducible cytokine B6, N-processed variant 3
Protein Family	C-X-C motif chemokine
UniProt Gene Name	CXCL6
UniProt Synonym Gene Names	GCP2; SCYB6; CKA-3; GCP-2
UniProt Entry Name	CXCL6_HUMAN
NCBI Protein Information	C-X-C motif chemokine 6; Small inducible cytokine subfamily B (Cys-X-Cys), member b; chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2); chemokine alpha 3; small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemotact

UniProt Comments for CXCL6	CXCL6: Chemotactic for neutrophil granulocytes. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Secreted Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: extracellular space; extracellular region Molecular Function: heparin binding; chemokine activity; CXCR chemokine receptor binding Biological Process: G-protein coupled receptor protein signaling pathway; cell-cell signaling; defense response to bacterium; neutrophil mediated immunity; response to lipopolysaccharide; positive regulation of leukocyte chemotaxis; immune response; chemotaxis; signal transduction; inflammatory response; regulation of cell proliferation
Research Articles on CXCL6	**1.** Expression of the CXCL8, CXCL6 and CXCL1 genes are under the primary control of 1,25-dihydroxyvitamin D3 and its receptor.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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