CXCL3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CXCL3, Recombinant Protein
Full Product Name	Recombinant Human CXCL3 Protein
Product Gene Name	CXCL3 recombinant protein
Product Synonym Names	GRO3; GROG; SCYB3; C-X-C motif chemokine 3; GRO-gamma(1-73); Growth-regulated protein gamma; GRO-gamma; Macrophage inflammatory protein 2-beta; MIP2-beta
Sequence	MGSSHHHHHH SSGLVPRGSH MASVVTELRC QCLQTLQGIH LKNIQSVNVR SPGPHCAQTE VIATLKNGKK ACLNPASPMV QKIIEKILNK GSTN
Host	E Coli
Species Reactivity	Human
Form/Format	Lyophilized from a 0.2 muM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE.
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
Molecular Weight	11,342 Da
OMIM	X53800 mRNA
3D Structure	ModBase 3D Structure for P19876
Endotoxin	Less than 0.1 ng/mug (1 IEU/mug) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 mug/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Applications Tested/Suitable for CXCL3 recombinant protein	ELISA (EIA),Western Blot (WB), SDS-PAGE, Mass Spectrometry (MS)
Related Product Information for CXCL3 recombinant protein	Recombinant Human CXCL3 Protein is produced by our E Coli expression system and the target gene encoding Ala35-Asn107 is expressed with a 6His tag at the N-terminus.
Other Notes	Small volumes of CXCL3 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 CXCL3 purchase	MBS8248909 is a recombinant protein targeting CXCL3. Also known as Recombinant Human CXCL3 Protein. Reactive in Human. Host: E Coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCL3. It may not necessarily be applicable to this product.

NCBI GI #	54144650
NCBI GeneID	2921
NCBI Accession #	NP_002081.2
UniProt Primary Accession #	P19876

UniProt Secondary Accession #	Q4W5H9
UniProt Related Accession #	P19876
GenBank Nucleotide #	NM_002090.2
NCBI Official Full Name	C-X-C motif chemokine 3
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 3
NCBI Official Symbol	CXCL3
NCBI Official Synonym Symbols	GRO3; GROg; MIP2B; SCYB3; MIP-2b; CINC-2b
UniProt Protein Name	C-X-C motif chemokine 3
UniProt Synonym Protein Names	GRO-gamma(1-73); Growth-regulated protein gamma; GRO-gamma
Protein Family	C-X-C motif chemokine
UniProt Gene Name	CXCL3
UniProt Synonym Gene Names	GRO3; GROG; SCYB3; GRO-gamma; MIP2-beta
UniProt Entry Name	CXCL3_HUMAN
NCBI Protein Information	C-X-C motif chemokine 3
NCBI Summary for CXCL3	This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. [provided by RefSeq, Sep 2014]
UniProt Comments for CXCL3	CXCL3: Ligand for CXCR2. Has chemotactic activity for neutrophils. May play a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. In vitro, the processed form GRO-gamma(5-73) shows a fivefold higher chemotactic activity for neutrophilic granulocytes. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Motility/polarity/chemotaxis; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q21 Cellular Component: extracellular region; extracellular space Molecular Function: chemokine activity; CXCR chemokine receptor binding Biological Process: G-protein coupled receptor protein signaling pathway; immune response; inflammatory response; neutrophil chemotaxis; regulation of cell proliferation; response to lipopolysaccharide
Research Articles on CXCL3	**1.** results support a functional role of CXCL3 in breast cancer metastasis and as a viable target for cancer therapy
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-recombinant-protein/cxcl3/8248909