C8G Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	C8G, Blocking Peptide
Full Product Name	C8G Peptide - N-terminal region
Product Gene Name	C8G blocking peptide
Product Synonym Gene Name	C8C
Sequence	Synthetic peptide located within the following region: VGSACRFLQE QGHRAEATTL HVAPQGTAMA VSTFRKLDGI CWQVRQLYGD
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	C8G peptide (MBS3230994) is used for blocking the activity of C8G antibody (MBS3206031)
Molecular Weight	22kDa
OMIM	120930
Product Categories/Family for C8G blocking peptide	Peptide
Applications Tested/Suitable for C8G blocking peptide	Western Blot (WB)
Related Product Information for C8G blocking peptide	This is a synthetic peptide designed for use in combination with anti-C8G Antibody, made Target Description: The protein encoded by this gene belongs to the lipocalin family. It is one of the three subunits that constitutes complement component 8 (C8), which is composed of a disulfide-linked C8 alpha-gamma heterodimer and a non-covalently associated C8 beta chain. C8 participates in the formation of the membrane attack complex (MAC) on bacterial cell membranes. While subunits alpha and beta play a role in complement-mediated bacterial killing, the gamma subunit is not required for the bactericidal activity.
Other Notes	Small volumes of C8G blocking peptide 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 C8G purchase	MBS3230994 is a blocking peptide targeting C8G. Also known as C8G Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C8G. It may not necessarily be applicable to this product.

NCBI GI #	166197660
NCBI GeneID	733
NCBI Accession #	NP_000597
UniProt Primary Accession #	P07360
UniProt Related Accession #	P07360

GenBank Nucleotide #	NM_000606
NCBI Official Full Name	complement component C8 gamma chain
NCBI Official Synonym Full Names	complement C8 gamma chain
NCBI Official Symbol	C8G
NCBI Official Synonym Symbols	C8C
UniProt Protein Name	Complement component C8 gamma chain
Protein Family	Complement component
UniProt Gene Name	C8G
UniProt Entry Name	CO8G_HUMAN
NCBI Protein Information	complement component C8 gamma chain
NCBI Summary for C8G	The protein encoded by this gene belongs to the lipocalin family. It is one of the three subunits that constitutes complement component 8 (C8), which is composed of a disulfide-linked C8 alpha-gamma heterodimer and a non-covalently associated C8 beta chain. C8 participates in the formation of the membrane attack complex (MAC) on bacterial cell membranes. While subunits alpha and beta play a role in complement-mediated bacterial killing, the gamma subunit is not required for the bactericidal activity. [provided by RefSeq, Jul 2011]
UniProt Comments for C8G	C8G: C8 is a constituent of the membrane attack complex. C8 binds to the C5B-7 complex, forming the C5B-8 complex. C5-B8 binds C9 and acts as a catalyst in the polymerization of C9. The gamma subunit seems to be able to bind retinol. Belongs to the calycin superfamily. Lipocalin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 9q34.3 Cellular Component: membrane attack complex; extracellular region Molecular Function: complement binding; protein complex binding; retinol binding Biological Process: cytolysis; complement activation, alternative pathway; regulation of complement activation; innate immune response; complement activation, classical pathway
Research Articles on C8G	**1.** Binding of C8 gamma subunit to C8 beta is dependent on the thrombospondin type 1 module + low-density lipoprotein receptor class A module + membrane attack complex/perforin domain of C8 beta.
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-blocking-peptide/c8g/3230994