CGREF1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	CGREF1, Blocking Peptide
Full Product Name	CGREF1 Blocking Peptide
Product Gene Name	CGREF1 blocking peptide
Product Synonym Names	Cell growth regulator with EF hand domain 1; Cell growth regulator with EF hand domain protein 1; Cell growth regulatory gene 11; Cell growth regulatory gene 11 protein; CGR 11; CGR11; CGRE1_HUMAN; CGREF 1; CGREF1; Hydrophobestin
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CGREF1 peptide (MBS9624085) is used for blocking the activity of CGREF1 antibody (MBS9605368)
Molecular Weight	31,905 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (27322221..27341995, complement). Location: 2p23.3
OMIM	606137
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CGREF1 blocking peptide	Blocking/Control
Related Product Information for CGREF1 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of CGREF1 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 CGREF1 purchase	MBS9624085 is a blocking peptide targeting CGREF1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CGREF1. It may not necessarily be applicable to this product.

NCBI GI #	261278348
NCBI GeneID	10669
NCBI Accession #	NP_001159711.1

UniProt Primary Accession #	Q99674
UniProt Secondary Accession #	Q8N4B7; A6NHV7; B4DXY8; B5MCB7; B5MCC9; B5MCP5; E7EU99
UniProt Related Accession #	Q99674
GenBank Nucleotide #	NM_001166239.1
NCBI Official Full Name	cell growth regulator with EF hand domain protein 1 isoform a
NCBI Official Synonym Full Names	cell growth regulator with EF-hand domain 1
NCBI Official Symbol	CGREF1
NCBI Official Synonym Symbols	CGR11
UniProt Protein Name	Cell growth regulator with EF hand domain protein 1
UniProt Synonym Protein Names	Cell growth regulatory gene 11 protein; Hydrophobestin
Protein Family	Cell growth regulator with EF hand domain protein
UniProt Gene Name	CGREF1
UniProt Synonym Gene Names	CGR11
UniProt Entry Name	CGRE1_HUMAN
NCBI Protein Information	cell growth regulator with EF hand domain protein 1; hydrophobestin; cell growth regulatory gene 11 protein; cell growth regulator with EF hand domain 1
UniProt Comments for CGREF1	CGREF1: Mediates cell-cell adhesion in a calcium-dependent manner. Able to inhibit growth in several cell lines. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2p23.3 Cellular Component: extracellular region Molecular Function: calcium ion binding Biological Process: negative regulation of cell proliferation; response to stress; negative regulation of cell growth; cell adhesion; cell cycle arrest
Research Articles on CGREF1	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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/blocking-peptide/cgref1/9624085