SH3GL2 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	SH3GL2, Blocking Peptide
Full Product Name	SH3GL2 Blocking Peptide
Product Gene Name	SH3GL2 blocking peptide
Product Synonym Names	bA335L15.1 (SH3 domain GRB2 like 2); CNSA2; EEN B1; EEN-B1; Endophilin 1; Endophilin A1; Endophilin A1 BAR domain; Endophilin-1; Endophilin-A1; FLJ20276; FLJ25015; OTTHUMP00000021084; SH3 domain containing GRB2 like protein 2; SH3 domain GRB2 like 2; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2; SH3D2A; SH3G2_HUMAN; Sh3gl2; Sh3p4; SH3PA
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	SH3GL2 peptide (MBS9624676) is used for blocking the activity of SH3GL2 antibody (MBS9605959)
Molecular Weight	39,962 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (17578953..17797122). Location: 9p22
OMIM	604465
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 SH3GL2 blocking peptide	Blocking/Control
Related Product Information for SH3GL2 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 SH3GL2 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 SH3GL2 purchase	MBS9624676 is a blocking peptide targeting SH3GL2.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH3GL2. It may not necessarily be applicable to this product.

NCBI GI #	4506931
NCBI GeneID	6456
NCBI Accession #	NP_003017.1

UniProt Primary Accession #	Q99962
UniProt Secondary Accession #	Q9NQK5; B2R618
UniProt Related Accession #	Q99962
GenBank Nucleotide #	NM_003026.3
NCBI Official Full Name	endophilin-A1
NCBI Official Synonym Full Names	SH3-domain GRB2-like 2
NCBI Official Symbol	SH3GL2
NCBI Official Synonym Symbols	CNSA2; SH3P4; EEN-B1; SH3D2A
UniProt Protein Name	Endophilin-A1
UniProt Synonym Protein Names	EEN-B1; Endophilin-1; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2
Protein Family	Endophilin
UniProt Gene Name	SH3GL2
UniProt Synonym Gene Names	CNSA2; SH3D2A
UniProt Entry Name	SH3G2_HUMAN
NCBI Protein Information	endophilin-A1; endophilin-1; SH3 domain protein 2A; Endophilin A1 BAR domain; bA335L15.1 (SH3-domain GRB2-like 2); SH3 domain-containing GRB2-like protein 2
UniProt Comments for SH3GL2	endophilin 1: Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Belongs to the endophilin family. Protein type: Membrane protein, peripheral; Vesicle; Adaptor/scaffold Chromosomal Location of Human Ortholog: 9p22 Cellular Component: Golgi membrane; plasma membrane; cytosol Molecular Function: identical protein binding; protein binding; lipid binding Biological Process: epidermal growth factor receptor signaling pathway; negative regulation of epidermal growth factor receptor signaling pathway; axon guidance; central nervous system development; nerve growth factor receptor signaling pathway; regulation of receptor internalization; synaptic vesicle endocytosis; antigen processing and presentation of exogenous peptide antigen via MHC class II; post-Golgi vesicle-mediated transport; signal transduction
Research Articles on SH3GL2	**1.** SH3GL2 gene was identified as the target of miR-330. miRNA-330 plays an oncogenic role in human glioblastoma by regulating SH3GL2 gene and might be a new therapeutic target of human glioblastoma.
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