SH3GL1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SH3GL1, Blocking Peptide
Full Product Name	SH3GL1 Peptide - N-terminal region
Product Gene Name	SH3GL1 blocking peptide
Product Synonym Gene Name	CNSA1; EEN; MGC111371; SH3D2B; SH3P8
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	SH3GL1 peptide (MBS3237790) is used for blocking the activity of SH3GL1 antibody (MBS3212844)
Molecular Weight	41kDa
OMIM	601768
Product Categories/Family for SH3GL1 blocking peptide	Peptide
Applications Tested/Suitable for SH3GL1 blocking peptide	Western Blot (WB)
Related Product Information for SH3GL1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SH3GL1 antibody made Target Description: SH3GL1 is implicated in endocytosis. It may recruit other proteins to membranes with high curvature.
Other Notes	Small volumes of SH3GL1 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 SH3GL1 purchase	MBS3237790 is a blocking peptide targeting SH3GL1. Also known as SH3GL1 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH3GL1. It may not necessarily be applicable to this product.

NCBI GI #	4506929
NCBI GeneID	6455
NCBI Accession #	NP_003016
UniProt Primary Accession #	Q99961
UniProt Related Accession #	Q99961
GenBank Nucleotide #	NM_003025
NCBI Official Full Name	endophilin-A2 isoform 1
NCBI Official Synonym Full Names	SH3 domain containing GRB2 like 1, endophilin A2
NCBI Official Symbol	SH3GL1
NCBI Official Synonym Symbols	EEN; CNSA1; SH3P8; SH3D2B

UniProt Protein Name	Endophilin-A2
UniProt Synonym Protein Names	EEN fusion partner of MLL; Endophilin-2; Extra eleven-nineteen leukemia fusion gene protein; EEN; SH3 domain protein 2B; SH3 domain-containing GRB2-like protein 1
Protein Family	Endophilin
UniProt Gene Name	SH3GL1
UniProt Synonym Gene Names	CNSA1; SH3D2B; EEN
UniProt Entry Name	SH3G1_HUMAN
NCBI Protein Information	endophilin-A2
NCBI Summary for SH3GL1	This gene encodes a member of the endophilin family of Src homology 3 domain-containing proteins. The encoded protein is involved in endocytosis and may also play a role in the cell cycle. Overexpression of this gene may play a role in leukemogenesis, and the encoded protein has been implicated in acute myeloid leukemia as a fusion partner of the myeloid-lymphoid leukemia protein. Pseudogenes of this gene are located on the long arm of chromosomes 11 and 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Research Articles on SH3GL1	**1.** Study observed elevated EA2 gene expression in the subcutaneous compared to that in the visceral human adipose tissue. EA2 gene expression negatively correlated with adiponectin and chemerin in visceral adipose tissue, and positively correlated with TNF-alpha in subcutaneous adipose tissue. EA2 gene expression was significantly downregulated during differentiation of preadipocytes in vitro.
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