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SH3GL2 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21451c

Specification

SH3GL2 Blocking Peptide (Center) - Product Information

Primary Accession Q99962

SH3GL2 Blocking Peptide (Center) - Additional Information

Gene ID 6456

Other Names
Endophilin-A1, EEN-B1, Endophilin-1, SH3 domain protein 2A, SH3 domain-containing GRB2-like protein 2, SH3GL2, CNSA2, SH3D2A

Target/Specificity
The synthetic peptide sequence is selected from aa 127-138 of HUMAN SH3GL2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SH3GL2 Blocking Peptide (Center) - Protein Information

Name SH3GL2

Synonyms CNSA2, SH3D2A

Function
Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic trafficking and signaling from early endosomes.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:O35179}. Membrane {ECO:0000250|UniProtKB:O35179}; Peripheral membrane protein {ECO:0000250|UniProtKB:O35179}. Early endosome {ECO:0000250|UniProtKB:Q62420}. Presynapse {ECO:0000250|UniProtKB:O35179}

Tissue Location
Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum

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SH3GL2 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SH3GL2 Blocking Peptide (Center) - Images

SH3GL2 Blocking Peptide (Center) - Background

Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature.

SH3GL2 Blocking Peptide (Center) - References

Giachino C.,et al.Genomics 41:427-434(1997).
So C.W.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).