

SH3GL2 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21467b

Specification

SH3GL2 Blocking Peptide (C-term) - Product InformationPrimary Accession [Q99962](#)**SH3GL2 Blocking Peptide (C-term) - 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 245-259 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 (C-term) - 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

SH3GL2 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

SH3GL2 Blocking Peptide (C-term) - Images

SH3GL2 Blocking Peptide (C-term) - Background

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

SH3GL2 Blocking Peptide (C-term) - 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).