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(DANRE) sh3bp4a Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21084a

Specification

(DANRE) sh3bp4a Blocking Peptide (N-term) - Product Information

Primary Accession Q1LVQ2

(DANRE) sh3bp4a Blocking Peptide (N-term) - Additional Information

Gene ID 403082

Other Names
SH3 domain-binding protein 4-A, sh3bp4a, sh3bp4

Target/Specificity
The synthetic peptide sequence is selected from aa 132-145 of HUMAN sh3bp4a

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.

(DANRE) sh3bp4a Blocking Peptide (N-term) - Protein Information

Name sh3bp4a

Synonyms sh3bp4

Function
Possible role in regulating endocytosis of the transferrin receptor at the plasma membrane. Alternatively, may function as a negative regulator of the amino acid-induced TOR signaling by inhibiting the formation of active Rag GTPase complexes. Preferentially binds inactive Rag GTPase complexes and prevents their interaction with the mTORC1 complex inhibiting its relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy (By similarity).

Cellular Location
Membrane, clathrin-coated pit. Cytoplasmic vesicle, clathrin-coated vesicle. Nucleus. Note=Specifically associated with transferrin receptor- containing clathrin-coated pits and clathrin-coated vesicles. May also localize to the nucleus (By similarity).

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(DANRE) sh3bp4a Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

(DANRE) sh3bp4a Blocking Peptide (N-term) - Images

(DANRE) sh3bp4a Blocking Peptide (N-term) - Background

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(DANRE) sh3bp4a Blocking Peptide (N-term) - References

Howe K.,et al.Nature 496:498-503(2013).
Abe S.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.