

(DANRE) gabarapl2 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21195a

Specification

(DANRE) gabarapl2 Blocking Peptide (N-term) - Product Information

Primary Accession [Q6TH05](#)

(DANRE) gabarapl2 Blocking Peptide (N-term) - Additional Information

Gene ID 403036

Target/Specificity

The synthetic peptide sequence is selected from aa 15-28 of HUMAN Q6TH05

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) gabarapl2 Blocking Peptide (N-term) - Protein Information

Name Q6TH05

Function

Ubiquitin-like modifier involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1. Involved in autophagy. Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.

Cellular Location

Cytoplasmic vesicle, autophagosome {ECO:0000256|ARBA:ARBA00004419}. Endoplasmic reticulum membrane {ECO:0000256|ARBA:ARBA00004586}. Golgi apparatus {ECO:0000256|ARBA:ARBA00004555}

(DANRE) gabarapl2 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

(DANRE) gabarapl2 Blocking Peptide (N-term) - Images