

ZDHHC18 Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP22103b**Specification**

ZDHHC18 Blocking Peptide (C-Term) - Product Information

Primary Accession [O9NUE0](#)
Other Accession [O5Y5T2](#), [O2TGJ1](#)

ZDHHC18 Blocking Peptide (C-Term) - Additional Information

Gene ID 84243

Other Names

Palmitoyltransferase ZDHHC18, 2.3.1.225, Zinc finger DHHC domain-containing protein 18, DHHC-18, ZDHHC18

Target/Specificity

The synthetic peptide sequence is selected from aa 351-361 of HUMAN ZDHHC18

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.

ZDHHC18 Blocking Peptide (C-Term) - Protein Information

Name ZDHHC18 {ECO:0000303|PubMed:35438208, ECO:0000312|HGNC:HGNC:20712}

Function

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates, such as CGAS, HRAS and LCK (PubMed:23034182, PubMed:27481942, PubMed:35438208). Acts as a negative regulator of the cGAS-STING pathway by mediating palmitoylation and inactivation of CGAS (PubMed:35438208). May also have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and therefore regulate G protein-coupled receptor signaling (PubMed:27481942).

Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location

Widely expressed..

ZDHHC18 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

ZDHHC18 Blocking Peptide (C-Term) - Images**ZDHHC18 Blocking Peptide (C-Term) - Background**

Has palmitoyltransferase activity towards HRAS and LCK.

ZDHHC18 Blocking Peptide (C-Term) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).