

CLEC16A Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21278b

Specification

CLEC16A Blocking Peptide (C-term) - Product Information

Primary Accession

[Q2KHT3](#)**CLEC16A Blocking Peptide (C-term) - Additional Information**

Gene ID 23274

Other Names

Protein CLEC16A, C-type lectin domain family 16 member A {ECO:0000312|HGNC:HGNC:29013}, CLEC16A (HGNC:29013), KIAA0350

Target/Specificity

The synthetic peptide sequence is selected from aa 773-785 of HUMAN CLEC16A (HGNC:29013)

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.

CLEC16A Blocking Peptide (C-term) - Protein InformationName CLEC16A ([HGNC:29013](#))

Synonyms KIAA0350

Function

Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PRKN pathway. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PRKN pathway regulates autophagosome-lysosome fusion during late mitophagy. May protect RNF41/NRDP1 from proteasomal degradation, RNF41/NRDP1 which regulates proteasomal degradation of PRKN. Plays a key role in beta cells functions by regulating mitophagy/autophagy and mitochondrial health.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q80U30}; Peripheral membrane protein

{ECO:0000250|UniProtKB:Q80U30}. Lysosome membrane {ECO:0000250|UniProtKB:Q80U30}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q80U30}. Note=Associates with the endolysosome membrane. {ECO:0000250|UniProtKB:Q80U30}

Tissue Location

Almost exclusively expressed in immune cells, including dendritic cells, B-lymphocytes and natural killer cells

CLEC16A Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

CLEC16A Blocking Peptide (C-term) - Images**CLEC16A Blocking Peptide (C-term) - Background**

Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PARK2 pathway. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PARK2 pathway regulates autophagosome-lysosome fusion during late mitophagy. May protect RNF41/NRDP1 from proteosomal degradation, RNF41/NRDP1 which regulates proteosomal degradation of PARK2. Plays a key role in beta cells functions by regulating mitophagy/autophagy and mitochondrial health.

CLEC16A Blocking Peptide (C-term) - References

Nagase T.,et al.DNA Res. 4:141-150(1997).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hakonarson H.,et al.Nature 448:591-594(2007).
Soleimanpour S.A.,et al.Cell 157:1577-1590(2014).