

C2orf47 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20447b

Specification

C2orf47 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q8WWC4](#)

Other Accession

[Q6AY04](#), [Q8BHE8](#), [A3KN05](#)**C2orf47 Blocking Peptide (C-term) - Additional Information****Gene ID** 79568**Other Names**

Uncharacterized protein C2orf47, mitochondrial, C2orf47

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.

C2orf47 Blocking Peptide (C-term) - Protein Information**Name** MAIP1 {ECO:0000303|PubMed:27642048, ECO:0000312|HGNC:HGNC:26198}**Function**

Promotes sorting of SMDT1/EMRE in mitochondria by ensuring its maturation (PubMed:27642048). Interacts with the transit peptide region of SMDT1/EMRE precursor protein in the mitochondrial matrix, leading to protect it against protein degradation by YME1L1, thereby ensuring SMDT1/EMRE maturation by the mitochondrial processing peptidase (PMPCA and PMPCB) (PubMed:27642048).

Cellular Location

Mitochondrion matrix

C2orf47 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

C2orf47 Blocking Peptide (C-term) - Images**C2orf47 Blocking Peptide (C-term) - Background**

The function of the C2orf47 protein is currently unknown.

C2orf47 Blocking Peptide (C-term) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 434:724-731(2005).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).