

# POPD3 Blocking Peptide (C-term)

Synthetic peptide Catalog # BP20111b

## **Specification**

# POPD3 Blocking Peptide (C-term) - Product Information

Primary Accession Q9HBV1
Other Accession NP 071756.2

# POPD3 Blocking Peptide (C-term) - Additional Information

Gene ID 64208

### **Other Names**

Popeye domain-containing protein 3, Popeye protein 3, POPDC3, POP3

# Target/Specificity

The synthetic peptide sequence is selected from aa 246-259 of HUMAN POPDC3

#### 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.

#### POPD3 Blocking Peptide (C-term) - Protein Information

Name POPDC3

Synonyms POP3

#### **Function**

May play a role in the maintenance of heart function mediated, at least in part, through cAMP-binding. May play a role in the regulation of KCNK2/TREK-1-mediated current amplitude (PubMed:<a href="http://www.uniprot.org/citations/31610034" target="blank">31610034</a>).

#### **Cellular Location**

Membrane; Multi-pass membrane protein

### **Tissue Location**

Expressed predominantly in skeletal muscle (at protein level) (PubMed:10882522, PubMed:31610034). Also detected in heart (PubMed:10882522).



# POPD3 Blocking Peptide (C-term) - Protocols

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

## • Blocking Peptides

POPD3 Blocking Peptide (C-term) - Images

# POPD3 Blocking Peptide (C-term) - Background

This gene encodes a member of the POP family of proteins containing three putative transmembrane domains. This gene is expressed in cardiac and skeletal muscle and may play an important role in these tissues during development. Alternatively spliced transcript variants have been found.

# POPD3 Blocking Peptide (C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kim, M., et al. Carcinogenesis 31(9):1685-1693(2010) Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Sulem, P., et al. Nat. Genet. 41(6):734-738(2009)