

**FUNDC2 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP20155b

**Specification**

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**FUNDC2 Blocking Peptide (C-term) - Product Information**

Primary Accession

[O9BWH2](#)

Other Accession

[O864V5](#), [O9D6K8](#), [O8MJN0](#), [NP\\_076423.2](#)**FUNDC2 Blocking Peptide (C-term) - Additional Information**

Gene ID 65991

**Other Names**

FUN14 domain-containing protein 2, Cervical cancer proto-oncogene 3 protein, HCC-3, Hepatitis C virus core-binding protein 6, FUNDC2, HCBP6

**Target/Specificity**

The synthetic peptide sequence is selected from aa 137-150 of HUMAN FUNDC2

**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.

**FUNDC2 Blocking Peptide (C-term) - Protein Information**Name FUNDC2 ([HGNC:24925](#))

Synonyms HCBP6

**Function**

Binds directly and specifically 1,2-Diacyl-sn-glycero-3-phospho-(1'-myo-inositol-3',4',5'-bisphosphate) (PIP3) leading to the recruitment of PIP3 to mitochondria and may play a role in the regulation of the platelet activation via AKT/GSK3B/cGMP signaling pathways (PubMed:&lt;a href="http://www.uniprot.org/citations/29786068" target="\_blank"&gt;29786068&lt;/a&gt;). May act as transcription factor that regulates SREBP1 (isoform SREBP-1C) expression in order to modulate triglyceride (TG) homeostasis in hepatocytes (PubMed:&lt;a href="http://www.uniprot.org/citations/25855506" target="\_blank"&gt;25855506&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/29187281" target="\_blank"&gt;29187281&lt;/a&gt;).

**Cellular Location**

Mitochondrion outer membrane; Multi-pass membrane protein. Nucleus

**Tissue Location**

Highly expressed in platelets (at protein level).

**FUNDC2 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

**FUNDC2 Blocking Peptide (C-term) - Images****FUNDC2 Blocking Peptide (C-term) - Background**

The function of this protein is unknown.

**FUNDC2 Blocking Peptide (C-term) - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Li, K., et al. Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 16(4):351-353(2002)  
Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)