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DECR1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21057a

Specification

DECR1 Blocking Peptide (Center) - Product Information

Primary Accession	Q16698
Other Accession	Q64591, Q9CQ62

DECR1 Blocking Peptide (Center) - Additional Information

Gene ID 1666

Other Names
4-dienoyl-CoA reductase, mitochondrial, 4-dienoyl-CoA reductase [NADPH], 4-enoyl-CoA reductase [NADPH], DECR1, DECR

Target/Specificity
The synthetic peptide sequence is selected from aa 241-254 of HUMAN DECR1

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.

DECR1 Blocking Peptide (Center) - Protein Information

Name DECR1

Synonyms DECR, SDR18C1

Function
Auxiliary enzyme of beta-oxidation. It participates in the metabolism of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in mitochondria. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA.

Cellular Location
Mitochondrion.

Tissue Location
Heart = liver = pancreas > kidney >> skeletal muscle = lung.

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DECR1 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

DECR1 Blocking Peptide (Center) - Images

DECR1 Blocking Peptide (Center) - Background

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DECR1 Blocking Peptide (Center) - References

Koivuranta K.T.,et al.Biochem. J. 304:787-792(1994).
Ding J.H.,et al.Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
Helander H.M.,et al.Genomics 46:112-119(1997).
Nusbaum C.,et al.Nature 439:331-335(2006).
Choudhary C.,et al.Science 325:834-840(2009).