

DECRI Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21057a**Specification**

DECRI Blocking Peptide (Center) - Product Information

Primary Accession [Q16698](#)
Other Accession [Q64591](#), [Q9CQ62](#)

DECRI 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.

DECRI 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.

DECOR1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

DECOR1 Blocking Peptide (Center) - Images

DECOR1 Blocking Peptide (Center) - Background

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. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3- enoyl-CoA.

DECOR1 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).