

CYB5R3 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP20631b

Specification

CYB5R3 Blocking Peptide (Center) - Product Information

Primary Accession

[P00387](#)

Other Accession

[P20070](#), [P83686](#), [Q9DCN2](#), [Q60HG4](#), [P07514](#)**CYB5R3 Blocking Peptide (Center) - Additional Information****Gene ID** 1727**Other Names**

NADH-cytochrome b5 reductase 3, B5R, Cytochrome b5 reductase, Diaphorase-1,
NADH-cytochrome b5 reductase 3 membrane-bound form, NADH-cytochrome b5 reductase 3
soluble form, CYB5R3, DIA1

Target/Specificity

The synthetic peptide sequence is selected from aa 111-124 of HUMAN CYB5R3

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.

CYB5R3 Blocking Peptide (Center) - Protein Information**Name** CYB5R3 ([HGNC:2873](#))**Synonyms** DIA1**Function**

Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor.

Cellular Location

[Isoform 1]: Endoplasmic reticulum membrane; Lipid-anchor {ECO:0000250|UniProtKB:P20070};
Cytoplasmic side {ECO:0000250|UniProtKB:P20070}. Mitochondrion outer membrane; Lipid-anchor
{ECO:0000250|UniProtKB:P20070}; Cytoplasmic side {ECO:0000250|UniProtKB:P20070}

Tissue Location

[Isoform 2]: Expressed at late stages of erythroid maturation.

CYB5R3 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

CYB5R3 Blocking Peptide (Center) - Images

CYB5R3 Blocking Peptide (Center) - Background

Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.

CYB5R3 Blocking Peptide (Center) - References

Tomatsu S.,et al.Gene 80:353-361(1989).

Voice M.W.,et al.Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.

Yoon B.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.

Lan F.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.

Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.