10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.