

**CYB5R2 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP20834a****Specification**

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**CYB5R2 Blocking Peptide (N-term) - Product Information**

Primary Accession [Q6BCY4](#)  
Other Accession [Q6AY12](#), [Q3KNK3](#)

**CYB5R2 Blocking Peptide (N-term) - Additional Information**

**Gene ID** 51700

**Other Names**

NADH-cytochrome b5 reductase 2, b5R2, CYB5R2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 33-47 of HUMAN CYB5R2

**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.

**CYB5R2 Blocking Peptide (N-term) - Protein Information**

**Name** CYB5R2 ([HGNC:24376](#))

**Function**

NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction (By similarity). Responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-nitrophenyl]-5-[2,4-disulfophenyl]-2H tetrazolium monosodium salt (WST-1).

**Tissue Location**

Restricted expression.

**CYB5R2 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

#### **CYB5R2 Blocking Peptide (N-term) - Images**

#### **CYB5R2 Blocking Peptide (N-term) - Background**

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#### **CYB5R2 Blocking Peptide (N-term) - References**

Zhu H.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:14742-14747(1999).  
Baker M.A.,et al.Biol. Reprod. 73:334-342(2005).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).