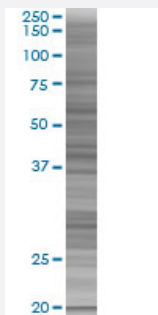


CYB5R3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001727-T01

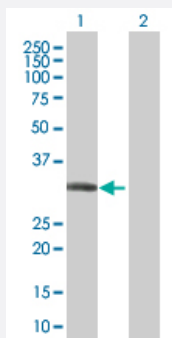
Size 100 uL

Applications



SDS-PAGE Gel

CYB5R3 transfected lysate.



Western Blot

Lane 1: CYB5R3 transfected lysate (34.2 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CYB5R3 full-length

Host Human

Theoretical MW (kDa) 34.2

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CYB5R3 antibody ([H00001727-B01](#)) by Western Blots.
SDS-PAGE Gel
CYB5R3 transfected lysate.
Western Blot
Lane 1: CYB5R3 transfected lysate (34.2 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CYB5R3

Entrez GeneID

[1727](#)

GeneBank Accession#

[NM_000398.4](#)

Protein Accession#

-

Gene Name

CYB5R3

Gene Alias

B5R, DIA1

Gene Description

cytochrome b5 reductase 3

Omim ID

[250800](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating erythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both membrane-binding and catalytic domains, while the soluble form has only the catalytic domain. These two forms are resulted from alternative splicing of the gene. Mutations in this gene cause methemoglobinemias. [provided by RefSeq]

Other Designations

NADH-cytochrome b5 reductase|OTTHUMP00000028761|cytochrome b5 reductase|diaphorase (NADH) (cytochrome b-5 reductase)

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

Disease

- [Kidney Failure](#)