

Product datasheet for TP305833M

OriGene Technologies, Inc.

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CYB5R1 (NM_016243) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytochrome b5 reductase 1 (CYB5R1), 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC205833 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MGIQTSPVLLASLGVGLVTLLGLAVGSYLVRRSRRPQVTLLDPNEKYLLRLLDKTTVSHNTKRFRFALPT AHHTLGLPVGKHIYLSTRIDGSLVIRPYTPVTSDEDQGYVDLVIKVYLKGVHPKFPEGGKMSQYLDSLKV GDVVEFRGPSGLLTYTGKGHFNIQPNKKSPPEPRVAKKLGMIAGGTGITPMLQLIRAILKVPEDPTQCFL LFANQTEKDIILREDLEELQARYPNRFKLWFTLDHPPKDWAYSKGFVTADMIREHLPAPGDDVLVLLCGP

PPMVQLACHPNLDKLGYSQKMRFTY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 057327

Locus ID: 51706





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UniProt ID: Q9UHQ9

1675 RefSeq Size: Cytogenetics: 1q32.1 RefSeq ORF: 915

Synonyms: B5R.1; B5R1; B5R2; humb5R2; NQO3A2

Summary: NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids,

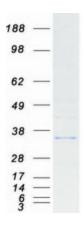
cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.

[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Amino sugar and nucleotide sugar metabolism

Product images:



Coomassie blue staining of purified CYB5R1 protein (Cat# [TP305833]). The protein was produced from HEK293T cells transfected with CYB5R1 cDNA clone (Cat# [RC205833]) using

MegaTran 2.0 (Cat# [TT210002]).