

Product datasheet for **TP305833L**

CYB5R1 (NM_016243) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

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

Species: Human

Expression Host: HEK293T

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

MGIQTSPVLLASLGVGLVTLGLAVGSYLVRSSRRPQVTLDPNEKYLLRLLDKTTVSHNTRKFRFALPT
AHHTLGLPVGKHIYLSTRIDGSLVIRPYTPVTSDEDQGYVDLVIKVYLKGVHPKPFEGGKMSQYLDLTKV
GDVVEFRGPSGLLTYTGKGFNIQPNKKSPPEPRVAKKLGMIAGGTGITPMLQLIRAILKVPEDPTQCFL
LFANQTEKDIILREDLEELQARYPNRFLWFTLDHPPKDWAYSKGFVTADMIREHLPAGDDVLVLLCGP
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:	<u>Q9UHQ9</u>
RefSeq Size:	1675
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]).