

## Product datasheet for PH305833

### CYB5R1 (NM\_016243) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CYB5R1 MS Standard C13 and N15-labeled recombinant protein (NP_057327)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205833
Predicted MW:	34.1 kDa
Protein Sequence:	>RC205833 protein sequence Red=Cloning site Green=Tags(s)  MGIQTSPVLLASLGVGLVTLGLAVGSYLVRSSRPQVTLDPNEKYLLRLLDKTTVSHNTKRFRFALPT AHHTLGLPVGKHIYLSTRIDGSLVIRPYTPVTSDEDQGYVDLVIKYYLKGVHPKFPEGGKMSQYLDLTKV GDVVEFRGPSGLLTYTGKGFNIQPNKSPPEPRVAKKLGMIAGGTGITPMLQLIRAILKVPEDPTQCFL LFANQTEKDIILREDLEELQARYPNRFLWFTLDHPPKDWAYSKGFVTADMIREHLPAAGDDVLVLLCGP PPMVQLACHPNLDKLGYSQKMRFTY  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_057327</a></u>
RefSeq Size:	1675
RefSeq ORF:	915
Synonyms:	B5R.1; B5R1; B5R2; humb5R2; NQO3A2
Locus ID:	51706



[View online »](#)

UniProt ID: [Q9UHQ9](#)

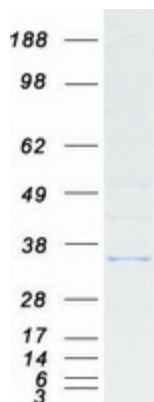
Cytogenetics: 1q32.1

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]).