

Product datasheet for PH317261

CYB5R2 (NM_016229) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYB5R2 MS Standard C13 and N15-labeled recombinant protein (NP_057313)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217261
Predicted MW:	21.54 kDa
Protein Sequence:	>RC217261 representing NM_016229 Red =Cloning site Green =Tags(s) MNSRRREPITLQDPEAKYPLPLIEKEKISHNTRRRFGLPSPDHVLGLPVGNYVQLLAKIDNELVVRAYT PVSSDDDRGFVDLIKIYFKNVHPQYPEGGKMTQYLENMKIGETIFFRGRGRLFYHGPGNLGIRPDQTS EPKKTLDHLMGIAGGTGITPMLQLIRHITKDPSDRTRMSLIFANQVSSC TR TRPLE QKL ISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_057313
RefSeq Size:	1341
RefSeq ORF:	1304
Synonyms:	B5R.2
Locus ID:	51700
UniProt ID:	Q6BCY4



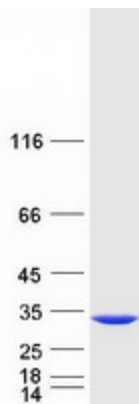
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Cytogenetics: 11p15.4

Summary: The protein encoded by this gene belongs to the flavoprotein pyridine nucleotide cytochrome reductase family of proteins. Cytochrome b-type NAD(P)H oxidoreductases are implicated in many processes including cholesterol biosynthesis, fatty acid desaturation and elongation, and respiratory burst in neutrophils and macrophages. Cytochrome b5 reductases have soluble and membrane-bound forms that are the product of alternative splicing. In animal cells, the membrane-bound form binds to the endoplasmic reticulum, where it is a member of a fatty acid desaturation complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified CYB5R2 protein (Cat# [TP317261]). The protein was produced from HEK293T cells transfected with CYB5R2 cDNA clone (Cat# [RC217261]) using MegaTran 2.0 (Cat# [TT210002]).