

Recombinant Human CYB5R2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYB5R2-662H Lot. No. (See product label)

SPECIFICATION

Product Overview	CYB5R2 MS Standard C13 and N15-labeled recombinant protein (NP_057313) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	21.54 kDa
AA Sequence	MNSRRREPITLQDPEAKYPLPLIEKEKISHNTRRFRFGLPSPDHVLGLPVGNYVQLLA KIDNELVVRAYTPVSSDDDRGFVDLIKIYFKNVHPQYPEGGKMTQYLENMKIGETIFF RGPRGRFLFYHGPGNLGIRPDQTSEPKKTLADHLGMIAGGTGITPMLQLIRHITKDPSD RTRMSLIFANQVSSCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

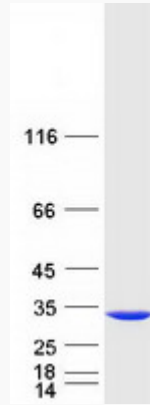
Gene Name	CYB5R2 cytochrome b5 reductase 2 [Homo sapiens (human)]
Official Symbol	CYB5R2
Synonyms	CYB5R2; cytochrome b5 reductase 2; NADH-cytochrome b5 reductase 2; cytochrome b5 reductase b5R.2; B5R.2;
Gene ID	51700
mRNA Refseq	NM_016229
Protein Refseq	NP_057313
MIM	608342
UniProt ID	Q6BCY4

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SDS-PAGE



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