

Recombinant Human CYB5R2 Protein, GST-tagged

Cat. No. CYB5R2-2217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYB5R2 full-length ORF (AAH01346.1, 1 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2014]
Molecular Mass	53.4 kDa
AA Sequence	MNSRRREPITLQDPEAKYPLPLIEKEKISHNTRRRFRFGLPSPDHVLGLPVGNYVQLLA KIDNELVVRAYTPVSSDDDRGFVDLIKIYFKNVHPQYPEGGKMTQYLENMKIGETIFF RGPRGRFLFYHGPGNLGIRPDQTSEPKKTLADHLGMIAGGTGITPMLQLIRHITKDPSD RTRMSLI FANQTEEDILVRKELEEIARTHDPDQFDLWYTLDRPPIGPWSAEGATLLSNS AQFH

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

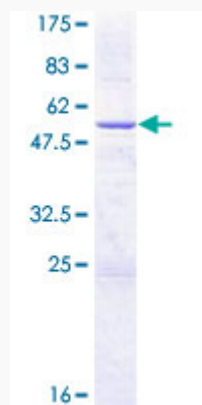
GENE INFORMATION

Gene Name	CYB5R2 cytochrome b5 reductase 2 [Homo sapiens]
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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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