

Recombinant Full Length Human CYB5R1 Protein, GST-tagged

Cat. No. CYB5R1-2383HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYB5R1 full-length ORF (NP_057327.2, 1 a.a. - 305 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	305 amino acids
Description	CYB5R1 (Cytochrome B5 Reductase 1) is a Protein Coding gene. Among its related pathways are Response to elevated platelet cytosolic Ca ²⁺ and Erythrocytes take up carbon dioxide and release oxygen. GO annotations related to this gene include oxidoreductase activity and cytochrome-b5 reductase activity, acting on NAD(P)H. An important paralog of this gene is CYB5R3.
Molecular Mass	60.5 kDa
AA Sequence	MGIQTSPVLLASLGVGLVTLGLAVGSYLVRRSRRPQVTLLDPNEKYLLRLLDKTTVS HNTKRFRFALPTAHHTLGLPVGKHIYLSTRIDGSLVIRPYTPVTSDEDQGYVDLVIKVY LKGVHPKFPEGGKMSQYLDLKVGDVVEFRGPSGLLTYTGKGHFNIQPNKKSPPEP RVAKKLGMIAAGGTGITPMLQLIRAILKVPEDPTQCFLLFANQTEKDILREDLEELQAR YPNRFLWFTLDHPPKDWAYSKGFVTADMIREHLPAPGDDVLVLLCGPPPMVQLAC HPNLDKLGYSQKMRFTY
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	CYB5R1 cytochrome b5 reductase 1 [Homo sapiens]
Official Symbol	CYB5R1
Synonyms	CYB5R1; cytochrome b5 reductase 1; NAD(P)H:quinone oxidoreductase type 3, polypeptide A2 , NQO3A2; NADH-cytochrome b5 reductase 1; humb5R2; NAD(P)H:quinone oxidoreductase type 3 polypeptide A2; NAD(P)H:quinone oxidoreductase type 3, polypeptide A2; B5R1; B5R.1; NQO3A2;
Gene ID	51706
mRNA Refseq	NM_016243
Protein Refseq	NP_057327
MIM	608341
UniProt ID	Q9UHQ9

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