

Recombinant Human CYB5B Protein, His-tagged

Cat. No. CYB5B-11066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYB5B Protein, His Tag is expressed from E. coli cells. It contains AA Met 5 - Ala 124 (Accession # O43169). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: Met
Species	Human
Source	E. coli
ProteinLength	5-124 aa
Description	Enables heme binding activity. Contributes to nitrite reductase (NO-forming) activity. Involved in nitric oxide biosynthetic process. Located in membrane. Part of nitric-oxide synthase complex. [provided by Alliance of Genome Resources, Apr 2022]
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 15.3 kDa. The protein migrates as 17-19 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in

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lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CYB5B cytochrome b5 type B (outer mitochondrial membrane) [Homo sapiens (human)]
Official Symbol	CYB5B
Synonyms	CYB5B; cytochrome b5 type B (outer mitochondrial membrane); cytochrome b5 type B; CYB5 M; type 2 cyt-b5; outer mitochondrial membrane cytochrome b5; cytochrome b5 outer mitochondrial membrane isoform; OMB5; CYB5-M; CYPB5M; DKFZp686M0619;
Gene ID	80777
mRNA Refseq	NM_030579
Protein Refseq	NP_085056
MIM	611964
UniProt ID	O43169

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