



## Synonym

CYB5-M, CYPB5M, OMB5

## Source

Human CYB5B Protein, His Tag(CYB-H5143) is expressed from E. coli cells. It contains AA Met 5 - Ala 124 (Accession # [O43169](#)).

Predicted N-terminus: Met

## Molecular Characterization

Poly-his CYB5B(Met 5 - Ala 124)  
O43169

This protein carries a polyhistidine tag at the N-terminus.

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 per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

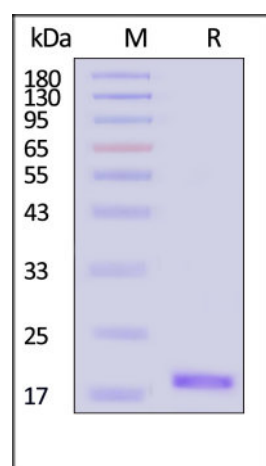
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human CYB5B Protein, His Tag on SDS-PAGE under reducing (R) condition.

The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

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]

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and more!

