

Human CYB5R1 Protein (His Tag)

Catalog Number: 13227-H07E



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

B5R.1; B5R1; B5R2; humb5R2; NQO3A2; PRO9865; UNQ3049; 1500005G05Rik; B5R.1; C80155; Nqo3a2

Protein Construction:

A DNA sequence encoding the human CYB5R1 (Q9UHQ9) (Leu 29-Tyr 305) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human CYB5R1 consisting of 292 amino acids and migrates as an approximately 33.5 kDa band in SDS-PAGE under reducing conditions as predicted.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

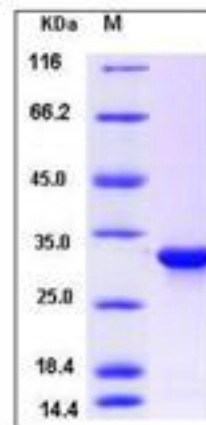
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Troncoso C, *et al.* (2008) Influence of electron transport proteins on the reactions catalyzed by *Fusarium fujikuroi* gibberellin monooxygenases. *Phytochemistry*. 69(3): 672-83.
2. Qian W, *et al.* (1998) The influence of mutation at Glu44 and Glu56 of cytochrome b5 on the protein's stabilization and interaction between cytochrome c and cytochrome b5. *Biochemistry*. 37 (40): 14137-50.
3. Zhu H, *et al.* (2000) Identification of a cytochrome b-type NAD(P)H oxidoreductase ubiquitously expressed in human cells. *Proc Natl Acad Sci*. 96 (26): 14742-7.

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