

Recombinant human CYB5A protein

Catalog Number: ATGP1178

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-108aa

UniProt No.

P00167

NCBI Accession No.

NP_683725.1

Alternative Names

Cytochrome b5, CYB5, MCB5

PRODUCT SPECIFICATION

Molecular Weight

14.9 kDa (132aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CYB5A, also known as cytochrome b5 isoform 1, belongs to the cytochrome b5 family. Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. Recombinant human CYB5A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGSH>MAEQSD EAVKYYTLEE IQKHNSKST WLILHHKVYD LTKFLEEHPG

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GEEVLREQAG GDATENFEDV GHSTDAREMS KTFIIGELHP DDRPKLNKPP ETLITTIDSS SS

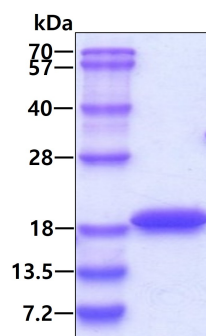
General References

Liu H., et al. (1994) Hum. Genet. 93:568-570

Abe K., et al. (1985) J. Biochem. 97:1659-1668

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.