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 SSGLVPRGSH MGSH>MAEQSD EAVKYYTLEE IQKHNHSKST WLILHHKVYD LTKFLEEHPG



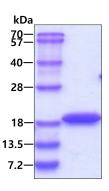
GEEVLREQAG GDATENFEDV GHSTDAREMS KTFIIGELHP DDRPKLNKPP ETLITTIDSS SS

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.