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# **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 SSGLVPRGSH MGSH>MAEQSD EAVKYYTLEE IOKHNHSKST WLILHHKVYD LTKFLEEHPG



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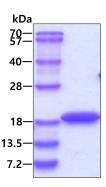
GEEVLREQAG GDATENFEDV GHSTDAREMS KTFIIGELHP DDRPKLNKPP ETLITTIDSS SS

## **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.

