

Recombinant human CYB5A protein

Catalog Number: ATGP3804

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-108aa

UniProt No.

P00167

NCBI Accession No.

NP_683725

Alternative Names

Cytochrome b5 isoform 1, CYB5A, CYB5, MCB5

PRODUCT SPECIFICATION

Molecular Weight

13.3 kDa (117aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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, is a member of membrane-bound cytochrome b5 family. It reduces ferric hemoglobin to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. This protein acts as an electron carrier for several membrane bound oxygenases. Recombinant human CYB5A protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional

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chromatography techniques.

Amino acid Sequence

ADPMAEQSDE AVKYYTLEEI QKHNHSKSTW LILHHKVYDL TKFLEEHPGG EEVLREQAGG DATENFEDVG HSTDAREMSK
TFIIGELHPD DRPKLNKPPE TLITTIDSSS SHHHHHH

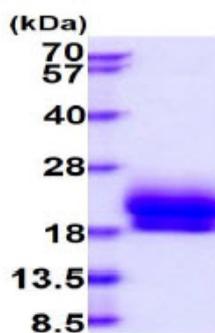
General References

Giovannetti E., et al, (2014) Autophagy. 10:697-698.

Rege J., et al, (2016) J Clin Endocrinol Metab. 101:4585-4593.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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