

Recombinant human GLYAT protein

Catalog Number: ATGP1119

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-296aa

UniProt No.

Q6IB77

NCBI Accession No.

NP_964011

Alternative Names

Glycine-N-acyltransferase, ACGNAT, CAT, GAT

PRODUCT SPECIFICATION

Molecular Weight

36.0 kDa (316aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

Purity

> 90% 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

GLYAT, also known as glycine-N-acyltransferase, is a mitochondrial acyltransferase which conjugates glycine with acyl-CoA substrates in the mitochondria. The protein is thought to be important in the detoxification of endogenous and xenobiotic acyl-CoA's. Recombinant human GLYAT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MMLPLQGAQM LQMLEKSLRK SLPASLKVYG TVFHINHGPN FNLKAVVDKW PDFNTVVVCP

Recombinant human GLYAT protein

Catalog Number: ATGP1119

QEQDMTDDLD HYTNTYQIYS KDPQNCQEFL GPELINWKQ HLIQSSQPS LNEAIQNLA IKSFVKQTQ RILYMAAETA
KELTPFLLS KILSPSGGKP KAINQEMFKL SSMDVTHAHL VNKFVHFGGN ERSQRFIERC IQTFPTCCLL GPEGTPVCWD
LMDQTGEMRM AGTLPEYRLH GLVTYVIYSH AQKLGKLGFP VYSHVDYSNE AMQKMSYTLQ HVPIPRSWNQ WNCVPL

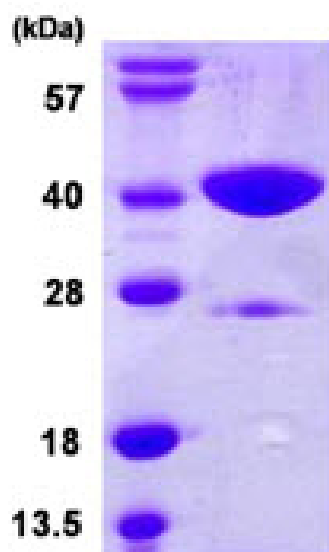
General References

Mawal Y.R., et al. (1994) Biochem. Biophys. Res. Commun. 205:1373-1379

Westhuizen F.H., et al. (2000) J. Biochem. Mol. Toxicol. 14:102-109

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)