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
<MGSSHHHHHH SSGLVPRGSH> MMLPLQGAQM LQMLEKSLRK SLPASLKVYG TVFHINHGNP FNLKAVVDKW

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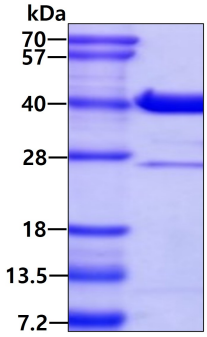
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General References

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.