

GLYAT, 1-296aa, Human, His tag, E.coli

Cat.NO.: TP02272

3th Edition

Synonyms:Glycine-N-acyltransferase, ACGNAT, CAT, GAT

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:36.0 kDa (316aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMMLPLQGAQMLQMLEKSLRKSLPASLKVYGTVFHINHGNPFLKAVVDKWPDFN
TVVVCPEQDMTDDLHYTNTYQIYSKDPQNCQEFLGSPELINWKQHLQIQSSQPSLNEAIQNLAAIKSFVKVKTQ
RILYMAAETAKELTPFLLKSKILSPSGGKPKAINQEMFKLSSMDVTHAHLVNKFWHFGGNERSQRFIERCITFPTCC
LLGPEGTPVCWDLMDQTGEMRMAGTLPEYRLHGLVTVIYSHAQKLGKLGFPVYSHVDYSNEAMQMSYTLQHV
PIPRSWNQWNCVPL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.