

Recombinant Human GLYAT, His-tagged

Cat. No. GLYAT-3574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLYAT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-296aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT
Molecular Weight	36.0 kDa (316aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MMLPLQGAQM LQMLEKSLRK SLPASLKVYG TVFHINHGPN FNLKAVVDKW PDFNTVVVCP QEQDMTDDL HYTNTYQIYS KDPQNCQEFL GSPELINWKQ HLQIQSSQPS LNEAIQNLA IKSFVKVKTQ RILYMAAETA KELTPFLLKS KILSPSGGKP KAINQEMFKL SSMDVTHAHL VNKFWHFGGN ERSQRFIERC IQTFPTCCLL GPEGTPVCWD LMDQTGEMRM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGTLPEYRLH GLVTYVIYSH AQKLGKLGFP VYSHVDYSNE AMQKMSYTLQ
HVPIPRSWNQ WNCVPL

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.

GENE INFORMATION
Gene Name

GLYAT glycine-N-acyltransferase [Homo sapiens]

Official Symbol

GLYAT

Synonyms

GLYAT; CAT; GAT; ACGNAT; HRP-1(CLP); OTTHUMP00000235930; OTTHUMP00000235931; OTTHUMP00000235932; AAc; aralkyl-CoA N-acyltransferase; acyl-CoA:glycine N-acyltransferase; aralkyl acyl-CoA N-acyltransferase; aralkyl acyl-CoA:amino acid N-acyltransferase; EC 2.3.1.13; Acyl-CoA:glycine N-acyltransferase; Aralkyl acyl-CoA N-acyltransferase; Aralkyl acyl-CoA:amino acid N-acyltransferase; glycine-N-acyltransferase ; glycine N-acyltransferase;

Gene ID

10249

mRNA Refseq

NM_005838

Protein Refseq

NP_005829

MIM

607424

UniProt ID

Q6IB77

Chromosome

11q12.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Location**Function**

acyltransferase activity; glycine N-acyltransferase activity; glycine N-benzoyltransferase activity; transferase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA