

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 SSSLVPRGSH MMLPLQGAQM LQMLEKSLRK SLPASLKVYG TVFHINHGNP FNLKAVVDKW PDFNTVVVCP QEQDMTDDLD HYTNTYQIYS KDPQNCQEFL GSPELINWKQ HLQIQSSQPS LNEAIQNLA IKSFKVKQTQ 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