

Recombinant Human GLYAT, His-tagged

Cat. No. GLYAT-27658TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GLYAT (amino acids 1-296) with an N terminal His tag; 316aa, 36kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	296 amino acids
Description	The glycine-N-acyltransferase protein conjugates glycine with acyl-CoA substrates in the mitochondria. The protein is thought to be important in the detoxification of endogenous and xenobiotic acyl-CoAs. Two transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	36.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 20% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMMLPLQGAQMLQMLEKSLRKSLPASLKVYGTVFHI
NHGNPFNLKAVVDKWPDPFNTVVVCPQEQDMTDDLDHYTNTYQIYSKDPQNCQEFL
GSPELINWKQHLQIQSSQPSLNEAIQNLAAIKSFVKVKTQRILYMAAETAKELTPFLLK
SKILSPSGGKPKAINQEMFKLSSMDVTHAHLVNKFWHFGGNERSQRFIERCIQTFPT
CCLLGPEGTPVCWDLMDQTGEMRMAGTLPEYRLHGLVTYVIYSHAQKLGLGFPV
YSHVDYSNEAMQKMSYTLQHVPIPRSWNQWNCVPL

Sequence Similarities

Belongs to the glycine N-acyltransferase family.

GENE INFORMATION

Gene Name

GLYAT glycine-N-acyltransferase [Homo sapiens]

Official Symbol

GLYAT

Synonyms

GLYAT; glycine-N-acyltransferase; glycine N-acyltransferase; ACGNAT; GAT;

Gene ID

10249

mRNA Refseq

NM_005838

Protein Refseq

NP_005829

MIM

607424

Uniprot ID

Q6IB77

Chromosome Location

11q12.1

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Pathway	Amino Acid conjugation, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Conjugation of benzoate with glycine, organism-specific biosystem; Conjugation of carboxylic acids, organism-specific biosystem; Conjugation of salicylate with glycine, organism-specific biosystem;
Function	glycine N-acyltransferase activity; transferase activity, transferring acyl groups;

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