

Recombinant Human GLYAT 293 Cell Lysate

Cat. No. GLYAT-5889HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glycine-N-acyltransferase (GLYAT), nuclear gene encoding mitochondrial protein, transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GLYAT glycine-N-acyltransferase [Homo sapiens]

Official Symbol

GLYAT

Synonyms

GLYAT; glycine-N-acyltransferase; glycine N-acyltransferase; ACGNAT; GAT; AAc; HRP-1(CLP); aralkyl-CoA N-acyltransferase; acyl-CoA:glycine N-acyltransferase; aralkyl acyl-CoA N-acyltransferase; aralkyl acyl-CoA:amino acid N-acyltransferase; CAT;

Gene ID

10249

mRNA Refseq

NM_005838

Protein Refseq

NP_005829

MIM

607424

UniProt ID

Q6IB77

Chromosome Location

11q12.1

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

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of salicylate with glycine, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase II conjugation, organism-specific biosystem;

Function

glycine N-acyltransferase activity; transferase activity, transferring acyl groups;

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