

Recombinant Human NAT1 cell lysate

Cat. No. NAT1-1168HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human genome, and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	NAT1 N-acetyltransferase 1 (arylamine N-acetyltransferase) [Homo sapiens]
Official Symbol	NAT1
Synonyms	NAT1; N-acetyltransferase 1 (arylamine N-acetyltransferase); AAC1; arylamine N-acetyltransferase 1; arylamide acetylase 1; N-acetyltransferase type 1; monomorphic

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	arylamine N-acetyltransferase; MNAT; NATI; NAT-1;
Gene ID	9
mRNA Refseq	NM_000662
Protein Refseq	NP_000653
MIM	108345
UniProt ID	P18440
Chromosome Location	8p22
Pathway	Acetylation, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Caffeine metabolism, organism-specific biosystem; Caffeine metabolism, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	acetyltransferase activity; arylamine N-acetyltransferase activity; transferase activity, transferring acyl groups;