

## Recombinant Human NAT1 cell lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	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.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	NAT1 N-acetyltransferase 1 (arylamine N-acetyltransferase) [ Homo sapiens ]
<b>Official Symbol</b>	NAT1
<b>Synonyms</b>	NAT1; N-acetyltransferase 1 (arylamine N-acetyltransferase); AAC1; arylamine N-acetyltransferase 1; arylamide acetylase 1; N-acetyltransferase type 1; monomorphic arylamine N-acetyltransferase; MNAT; NATI; NAT-1;

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<b>Gene ID</b>	9
<b>mRNA Refseq</b>	<a href="#">NM_000662</a>
<b>Protein Refseq</b>	<a href="#">NP_000653</a>
<b>MIM</b>	108345
<b>UniProt ID</b>	<a href="#">P18440</a>
<b>Chromosome Location</b>	8p22
<b>Pathway</b>	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;
<b>Function</b>	acetyltransferase activity; arylamine N-acetyltransferase activity; transferase activity, transferring acyl groups;

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