

Recombinant Full Length Human NAT1 Protein

Cat. No. NAT1-328HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NAT1 (amino acids 1-290) with N terminal proprietary tag, 57.97 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	290 amino acids
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.
Form	Liquid
Molecular Mass	57.970kDa inclusive of tags
AA Sequence	MDIEAYLERIGYKKSRNKLDLETLDILQHQIRAVPFENL NIHCGDAMDLDGLEAIFDQV VRRNRGGWCLQVNHLLYWALT TIGFETTMLGGYVYSTPAKKYSTGMIHLLLQVTID GRNYI VDAGFGRSYQMWQPLELISGKDQPQVPCVFRLTEENGFY LDQIRREQYI PNEEFLHSDLLEDISKYRKIYSFTLKPRTIE DFESMNTYLQTSPPSVFTSKSFCSLQTP DGVHCLVGFTLT HRRFNYKDNTDLIEFKTLSEEEIEKVLKNIFNISLQRKLV PKHGDR

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	FFTI
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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
Gene ID	9
mRNA Refseq	NM_000662
Protein Refseq	NP_000653
MIM	108345
UniProt ID	P18440

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