

Recombinant Full Length Human NAT2 Protein

Cat. No. NAT2-330HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NAT2 with a N terminal proprietary tag; Predicted MWt 58.01 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	290 amino acids
Description	This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2).
Form	Liquid
Molecular Mass	58.010kDa inclusive of tags
AA Sequence	MDIEAYFERIGYKNSRNKLDLETLDILEHQIRAVPFENL NMHCGQAMELGLAIFDH IVRRNRGGWCLQVNQLLYWALT TIGFQTTMLGGYFYIPPVNKYSTGMVHLLLQVTID GRNYI VDAGSGSSSQMWQPLELISGKDQPQVPCIFCLTEERGIWY LDQIRREQYIT NKEFLNSHLLPKKKHQKIYLFTEPQTIE DFESMNTYLQTSPTSSFITTSFCSLQTPE GVYCLVGFIILT YRKFNKDNNTDLVEFKTLTEEEVEEVVLKNIFKISLGRNLV PKPGDGS

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	LTI
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	NAT2 N-acetyltransferase 2 (arylamine N-acetyltransferase) [Homo sapiens]
Official Symbol	NAT2
Synonyms	NAT2; N-acetyltransferase 2 (arylamine N-acetyltransferase); AAC2; arylamine N-acetyltransferase 2
Gene ID	10
mRNA Refseq	NM_000015
Protein Refseq	NP_000006
MIM	612182
UniProt ID	P11245

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