Recombinant Full Length Human NAT2 Protein, N-His-tagged

Cat. No. NAT2-35HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NAT2 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
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 polymorphic arylamine N-acetyltransferase gene (NAT1), is located near this gene (NAT2).
Form	50 mM Tris-HCl, pH 8.0, 8 M urea.
Molecular Mass	33.4 kDa
AA Sequence	MDIEAYFERIGYKNSRNKLDLETLTDILEHQIRAVPFENLNMHCGQAMELGLEAIFDHI VRRNRGGWCLQVNQLLYWALTTIGFQTTMLGGYFYIPPVNKYSTGMVHLLLQVTID GRNYIVDAGSGSSSQMWQPLELISGKDQPQVPCIFCLTEERGIWYLDQIRREQYITN KEFLNSHLLPKKKHQKIYLFTLEPRTIEDFESMNTYLQTSPTSSFITTSFCSLQTPEGV YCLVGFILTYRKFNYKDNTDLVEFKTLTEEEVEEVLRNIFKISLGRNLVPKPGDGSLTI

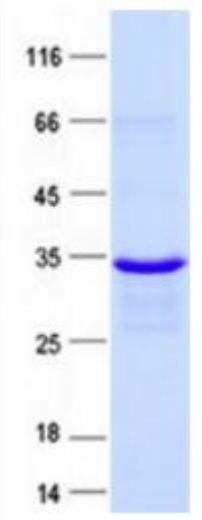
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Protein Families	Transmembrane
Protein Pathways	Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	NAT2 N-acetyltransferase 2 [Homo sapiens (human)]
Official Symbol	NAT2
Synonyms	AAC2; PNAT; NAT-2
Gene ID	10
mRNA Refseq	NM_000015.3
Protein Refseq	NP_000006.2

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MIM	612182
UniProt ID	P11245
SDS-PAGE	

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