

Product datasheet for **TP761755**

NAT2 (NM_000015) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human N-acetyltransferase 2 (arylamine N-acetyltransferase) (NAT2), full length, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length NAT2
Tag:	N-His
Predicted MW:	33.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000006
Locus ID:	10
UniProt ID:	P11245 , A4Z6T7
RefSeq Size:	1317
Cytogenetics:	8p22
RefSeq ORF:	870
Synonyms:	AAC2; NAT-2; PNAT



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Summary:

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). [provided by RefSeq, Sep 2019]

Protein Families:

Transmembrane

Protein Pathways:

Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways

Product images: