

## Product datasheet for **AR39050PU-N**

### NAT1 (1-290, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	NAT1 (1-290, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MDIEAYLERI GYKKS RNKLD LETLTDILQH QIRAVPFENL NIHCGDAMD L GLEAIFDQVV RRNRGGWCLQ VNHLLYWALT TIGFETMLG GYVYSTPAKK YSTGMIHLLL QVTIDGRNYI VDAGFGRSYQ MWQPLELISG KDQPQVPCIF RLTEENGFY LDQIRREQYI PNEEFLHSDL LEDSKYRKIY SFTLKPRTIE DFESMNTYLQ TSPASVFTSK SFCSLQTPDG VHCLVGFTLT HRRFNYKDNT DLIEFKLSE EEIEKVLKNI FNISLQRKLV PKHGDRFFTI
Tag:	His-tag
Predicted MW:	36.1 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000653</u>
Locus ID:	9
UniProt ID:	<u>P18440</u>
Cytogenetics:	8p22
Synonyms:	AAC1; MNAT; NAT-1; NATI



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**Summary:**

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. [provided by RefSeq, Aug 2011]

**Protein Pathways:**

Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways

**Product images:**