



# Recombinant Human Arylamine N-acetyltransferase 2 (NAT2)

<b>Product Code</b>	CSB-EP015471HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P11245
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDIEAYFERI GYKNSRNKLD LETLTDILEH QIRAVPFENL NMHCGQAMEL GLEAIFDHIV RRNRGGWCLQ VNQLLYWALT TIGFQTTMLG GYFYIPPVNK YSTGMVHLLL QVTIDGRNYI VDAGSGSSSQ MWQPLELISG KDQPQVPCIF CLTEERGIWY LDQIRREQYI TNKEFLNSHL LPKKKHQKIY LFTLEPRTIE DFESMNTYLQ TSPTSSFITT SFCSLQTEG VYCLVGFILT YRKFNYKDNT DLVEFKLTLE EEVEEVLKNI FKISLGRNLV PKPGDGSLTI
<b>Source</b>	E.coli
<b>Target Names</b>	NAT2
<b>Protein Names</b>	Recommended name: Arylamine N-acetyltransferase 2 EC= 2.3.1.5 Alternative name(s): Arylamide acetylase 2 N-acetyltransferase type 2 Short name= NAT-2 Polymorphic arylamine N-acetyltransferase Short name= PNAT
<b>Expression Region</b>	1-290
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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).
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.