



Recombinant Human Arylamine N-acetyltransferase 2 (NAT2)

Product Code	CSB-MP015471HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11245
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	Mammalian cell
Target Names	NAT2
Protein Names	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
Expression Region	1-290
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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).
Reconstitution	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.
Shelf Life	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.