Recombinant Human Arylamine N-acetyltransferase 1 (NAT1)

Product Code	CSB-BP015464HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18440
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDIEAYLERI GYKKSRNKLD LETLTDILQH QIRAVPFENL NIHCGDAMDL GLEAIFDQVV RRNRGGWCLQ VNHLLYWALT TIGFETTMLG GYVYSTPAKK YSTGMIHLLL QVTIDGRNYI VDAGFGRSYQ MWQPLELISG KDQPQVPCVF RLTEENGFWY LDQIRREQYI PNEEFLHSDL LEDSKYRKIY SFTLKPRTIE DFESMNTYLQ TSPSSVFTSK SFCSLQTPDG VHCLVGFTLT HRRFNYKDNT DLIEFKTLSE EEIEKVLKNI FNISLQRKLV PKHGDRFFTI
Source	Baculovirus
Target Names	NAT1
Protein Names	Recommended name: Arylamine N-acetyltransferase 1 EC= 2.3.1.5 Alternative name(s): Arylamide acetylase 1 Monomorphic arylamine N-acetyltransferase Short name= MNAT N-acetyltransferase type 1 Short name= NAT-1
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 is one of two arylamine N-acetyltransferase (NAT) genes in the human geneome, 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.
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.