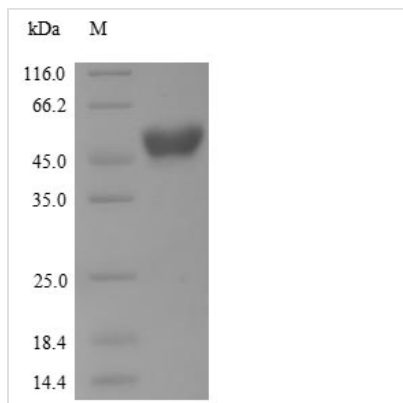




Recombinant Human Serotonin N-acetyltransferase (AANAT)

Product Code	CSB-EP623090HU
Relevance	Controls the night/day rhythm of melatonin production in the pineal gland. Catalyzes the N-acetylation of serotonin into N-acetylserotonin, the penultimate step in the synthesis of melatonin.
Abbreviation	Recombinant Human AANAT protein
Storage	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.
Uniprot No.	Q16613
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MSTQSTHPLKPEAPRLPPGIPESPSCQRRHTLPASEFRCLTPEDAVSAFEIERE AFISVLGVCPLYLDEIRHFLTLCPESLGLWFEEGCLVAFIIGSLWDKERLMQESL TLHRSGGHIAHLHVLAVHRAFRQQGRGPILLWRYLHHLGSQPAVRRRAALMCE DALVPFYERFSFHAVGPCAITVGS�TFMELHCSLRGHPFLRRNSGC
Research Area	Neuroscience
Source	E.coli
Target Names	AANAT
Protein Names	Aralkylamine N-acetyltransferase
Expression Region	1-207aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-GST-tagged
Mol. Weight	51.8 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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