

Datasheet for ABIN7546182

AANAT Protein (AA 1-207) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	AANAT
Protein Characteristics:	AA 1-207
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AANAT protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AANAT Protein expressed in mammalian cells.
Sequence:	MSTQSTHPLK PEAPRLPPGI PESPCQRRH TLPASEFRCL TPEDAVSAFE IERAFISVL GVCPLYLDEI RHFLTLCPEL SLGWFEEGCL VAFIIGSLWD KERLMQESLT LHRSGGHIAH LHVLAVHRAF RQQGRGPILL WRYLHHLGSQ PAVRRAALMC EDALVPFYER FSFHAVGPCA ITVGS�TFME LHCSLRGHPF LRRNSGC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	AANAT
Alternative Name:	AANAT (AANAT Products)
Background:	Serotonin N-acetyltransferase (Serotonin acetylase) (EC 2.3.1.87) (Aralkylamine N-acetyltransferase) (AA-NAT),FUNCTION: 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. {ECO:0000269 PubMed:11313340, ECO:0000305}.
Molecular Weight:	23.3 kDa
UniProt:	Q16613
Pathways:	Photoperiodism

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months