

Recombinant Human AANAT protein (Tagged) ab239443

1 图像

描述	
产品名称	重组人AANAT蛋白(Tagged)
纯度	> 85 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>Q16613</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MSTQSTHPLKPEAPRLPPGIPESPSCQRRHTLPASEFRCLTP EDAVSAFE IEREAFISVLGVCPLYLDEIRHFLTLCPELSLGWFEEGCLVA FIIGSLWD KERLMQESLTLHRSGGHIAHLHVLAVHRAFRQQGRGPILLWR YLHHLGSQ PAVRRRAALMCEDALVPFYERFSFHAVGPCAITVGSLTFMELH CSLRGHPF LRRNSGC
预测分子量	52 kDa including tags
氨基酸	1 to 207
标签	His tag N-Terminus , GST tag N-Terminus
额外的序列信息	N-terminal 10xHis-GST-tagged.

技术指标	
Our Abpromise guarantee covers the use of ab239443 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE
形式	Liquid
补充说明	This product was previously labelled as Serotonin N-acetyltransferase

制备和贮存

稳定性和存储

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

常规信息

功能

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.

组织特异性

Highly expressed in pineal gland and at lower levels in the retina. Weak expression in several brain regions and in the pituitary gland.

通路

Aromatic compound metabolism; melatonin biosynthesis; melatonin from serotonin: step 1/2.

疾病相关

Delayed sleep phase syndrome

序列相似性

Belongs to the acetyltransferase family. AANAT subfamily.

Contains 1 N-acetyltransferase domain.

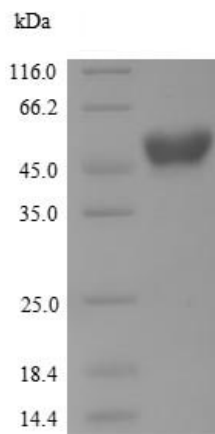
翻译后修饰

cAMP-dependent phosphorylation on both N-terminal Thr-31 and C-terminal Ser-205 regulates AANAT activity by promoting interaction with 14-3-3 proteins.

细胞定位

Cytoplasm.

图片



SDS-PAGE - Recombinant Human AANAT protein
(Tagged) (ab239443)

ab239443 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE
(reduced) with 5% enrichment gel and 15% separation gel.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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