

AANAT 抗原（重组蛋白）

中文名称：AANAT 抗原（重组蛋白）

英文名称：AANAT Antigen (Recombinant Protein)

别名：DSPS; SNAT

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 35-194 amino acids of human AANAT

技术规格：

Full name:	aralkylamine N-acetyltransferase
Synonyms:	DSPS; SNAT
Swissprot:	Q16613
Gene Accession:	BC069434
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene belongs to the acetyltransferase superfamily. It is the penultimate enzyme in melatonin synthesis and controls the night/day rhythm in melatonin production in the vertebrate pineal gland. Melatonin is essential for the function of the circadian clock that influences activity and sleep. This enzyme is regulated by cAMP-dependent phosphorylation that promotes its interaction with 14-3-3 proteins and thus protects the enzyme against proteasomal degradation. This gene may contribute to numer

ous genetic diseases such as delayed sleep phase syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.