

Recombinant Human AANAT

Catalog No: #GP11241



Package Size: #GP11241-1 100ug

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Description

Product Name	Recombinant Human AANAT
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 35-194 amino acids of human aralkylamine N-acetyltransferase
Target Name	aralkylamine N-acetyltransferase
Other Names	DSPS; SNAT
Accession No.	Swissprot:Q16613Gene Accession:BC069434
Uniprot	Q16613
GeneID	15;
Storage	-20~-80°C, pH 7.6 PBS

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

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

Note: This product is for in vitro research use only