Recombinant Human AANAT Protein (1-207 aa), His-GST-tagged

Cat. No. AANAT-2383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AANAT Protein (1-207 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-GST tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-207 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	51.8 kDa
AA Sequence	MSTQSTHPLKPEAPRLPPGIPESPSCQRRHTLPASEFRCLTPEDAVSAFEIEREAFIS VLGVCPLYLDEIRHFLTLCPELSLGWFEEGCLVAFIIGSLWDKERLMQESLTLHRSGG HIAHLHVLAVHRAFRQQGRGPILLWRYLHHLGSQPAVRRAALMCEDALVPFYERFS FHAVGPCAITVGSLTFMELHCSLRGHPFLRRNSGC
Purity	> 85% as determined by SDS-PAGE.

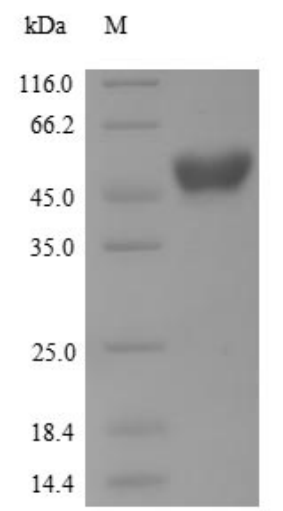
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45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	AANAT aralkylamine N-acetyltransferase [Homo sapiens]
Official Symbol	AANAT
Synonyms	AANAT; aralkylamine N-acetyltransferase; SNAT; serotonin acetylase; DSPS;
Gene ID	15
mRNA Refseq	NM_001088
Protein Refseq	NP_001079
MIM	600950
UniProt ID	Q16613

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

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