Recombinant Mouse Asmt, His-tagged

Cat. No. Asmt-3062M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetylserotonin O-methyltransferase (Asmt)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	387
Description	This gene belongs to the methyltransferase superfamily, and is located in the pseudoautosomal region (PAR) of the X and Y chromosomes. The encoded enzyme catalyzes the final reaction in the synthesis of melatonin, and is abundant in the pineal gland. Two amino acid substitutions (R78G and R242C) inactivate this gene product in some mouse strains including the strain of the reference genome, C57BL/6J, whereas a functional protein is produced in other strains.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Asmt recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Asmt acetylserotonin O-methyltransferase [Mus musculus]
Official Symbol	Asmt
Synonyms	ASMT; acetylserotonin O-methyltransferase; hydroxyindole O-methyltransfease; hydroxyindole O-methyltransferase; Hiomt;
Gene ID	107626
mRNA Refseq	NM_001199212
Protein Refseq	NP_001186141
Pathway	Biogenic Amine Synthesis, organism-specific biosystem; Melatonin biosynthesis, tryptophan =>serotonin => melatonin, organism-specific biosystem; Melatonin biosynthesis, tryptophan => serotonin => melatonin, conserved biosystem;
Function	O-methyltransferase activity; acetylserotonin O-methyltransferase activity; methyltransferase activity; transferase activity;

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