

Recombinant Human ASMT, His-tagged

Cat. No. ASMT-3063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetylserotonin O-methyltransferase (ASMT)
Species	Human
Source	E.Coli/Yeast
ProteinLength	373
Description	This gene belongs to the methyltransferase superfamily, and is located in the pseudoautosomal region (PAR) at the end of the short arms 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. Alternatively spliced transcript variants have been noted for this gene.
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.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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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 [Homo sapiens]
Official Symbol	ASMT
Synonyms	ASMT; acetylserotonin O-methyltransferase; ASMTY; HIOMT; HIOMTY; hydroxyindole O-methyltransferase; acetylserotonin N-methyltransferase; acetylserotonin methyltransferase (Y chromosome);
Gene ID	438
mRNA Refseq	NM_001171038
Protein Refseq	NP_001164509
MIM	300015
UniProt ID	P46597
Chromosome Location	Xp22.3 and Yp11.3
Pathway	Amine-derived hormones, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Melatonin biosynthesis, tryptophan =>serotonin => melatonin, organism-specific biosystem; Melatonin biosynthesis, tryptophan =>

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serotonin =&

Function

O-methyltransferase activity; acetylserotonin O-methyltransferase activity; transferase activity;

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