

## Recombinant Human ASMT, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Acetylserotonin O-methyltransferase (ASMT)
<b>Species</b>	Human
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	373
<b>Description</b>	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.
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	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.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

 Tel: 1-631-559-9269    1-516-512-3133

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

<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ASMT acetylserotonin O-methyltransferase [ Homo sapiens ]
<b>Official Symbol</b>	ASMT
<b>Synonyms</b>	ASMT; acetylserotonin O-methyltransferase; ASMTY; HIOMT; HIOMTY; hydroxyindole O-methyltransferase; acetylserotonin N-methyltransferase; acetylserotonin methyltransferase (Y chromosome);
<b>Gene ID</b>	438
<b>mRNA Refseq</b>	NM_001171038
<b>Protein Refseq</b>	NP_001164509
<b>MIM</b>	300015
<b>UniProt ID</b>	P46597
<b>Chromosome Location</b>	Xp22.3 and Yp11.3
<b>Pathway</b>	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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