

## Acetylserotonin O-Methyltransferase Human Recombinant

<b>Item Number</b>	rAP-2009
<b>Synonyms</b>	HIOMT, HIOMTY, Acetylserotonin O-methyltransferase , Hydroxyindole O-methyltransferase , ASMT.
<b>Description</b>	ASMT Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 318 amino acids (1-298 a.a) and having a molecular mass of 35.3kDa. ASMT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P46597
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSSEDQAYR LLNDYANGFM VSQVLFAACE LGVFDLLAEA PGPLDVAAVA AGVRASAHT ELLLDCVSL KLLKVETRGG KAFYRNTELS SDYLTTVSPT SQCSMLKYMG RTSYRCWGH1 ADAVREGRNQ YLETFGVPAE ELFTAIYRSE GERLQFMQAL QEVWSVNGRS VLTAFDLSVF PLMCDLGGDF FKDPLPEADL YILARVLHDW ADGKCSHLL RIYHTCK- PGG GILVIESLLD EDRRGPLL TQ LYSLNMLVQT EGQERTPTHY HMLLSSAGFR DFQFKKTGAI YDAILARK
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The ASMT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) , 1M Urea and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**