

Acetylserotonin O-Methyltransferase Human Recombinant

Item Number	rAP-2009
Synonyms	HIOMT, HIOMTY, Acetylserotonin O-methyltransferase , Hydroxyindole O-methyltransferase , ASMT.
Description	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.
Uniprot Accession Number	P46597
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSSSEQAYR LLNDYANGFM VSQVLFAACE LGVFDLLAEA PGPLDVAAVA AGVRASAHGT ELLLDICVSL KLLKVETRGG KAFYRNTELS SDYLTTVSPT SQCSMLKYM RTSYRCWGH LADAVREGRNQ YLETFGVPAE ELFTAIYRSE GERLQFMQAL QEVWSVNGRS VLTAFDLSVF PLMCDLGGDF FKDPLPEADL YILARVLHDW ADGKCSHLL RIYHTCK- PGG GILVIESLLD EDRRGPLLQ LYSNLMLVQT EGQERTPTHY HMLLSSAGFR DFQFKKTGAI YDAILARK
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**