

## 32-2164: ASMT Recombinant Protein

**Alternative Name :** HIOMT, HIOMTY, Acetylserotonin O-methyltransferase ,Hydroxyindole O-methyltransferase ,ASMT.

### Description

Source : Escherichia Coli. 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. ASMT is a member of the methyltransferase superfamily. ASMT participates in melatonin biosynthesis. ASMT Expressed in brain, retina and pineal gland, ASMT utilities to catalyze the final reaction in the synthesis of melatonin, particularly the conversion of S-adenosyl-L-methionine and N-acetylserotonin to S-adenosyl-L-homocysteine and melatonin.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The ASMT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) , 1M Urea and 10% glycerol.
<b>Storage condition :</b>	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>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSSSEDQAYR LLNDYANGFM VSQVLFAACE LGVFDLLAEA PGPLDVAAVA AGVRASAHGT ELLLDICVSL KLLKVETRGG KAFYRNTLS SDYLTTSVPT SQCSMLKYM RTSYRCWHL ADAVREGRNQ YLETFGVPAE ELFTAIYRSE GERLQFMQAL QEVWSVNGRS VLTAFDLSVF PLMCDLGGDF FKDPLPEADL YILARVLHDW ADGKCSHLL RIYHTCKPGG GILVIESLLD EDRRGPLLQ LYSLNMLVQT EGQERTPTHY HMLLSSAGFR DFQFKKTGAI YDAILARK

