

Product information



ASMT, 1-298aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1789

Full name: Acetylserotonin O-methyltransferase

NCBI Accession No.: AAH01620

Synonyms: HIOMT, HIOMTY

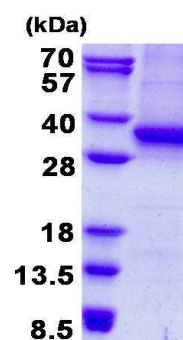
Description: ASMT belongs to the methyltransferase superfamily and is involved in melatonin biosynthesis. Expressed in brain, retina and pineal gland, ASMT functions to catalyze the final reaction in the synthesis of melatonin, specifically the conversion of S-adenosyl-L-methionine and N-acetylserotonin to S-adenosyl-L-homocysteine and melatonin. Recombinant human ASMT protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol

Molecular Weight: 35.3 kDa (318aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSSSEDQAYR LLNDYANGFM VSQVLFACE LGVFDLLAEA PGPLDVAAVA AGVRASAHGT ELLLDICVSL
KLLKVETRGG KAFYRNTELS SDYLTTVSPT SQCSMLKYM RTSYRCWHL ADAVREGRNQ YLETFGVP AE ELFTAIYRSE GERLQFMQAL
QEVWSVNGRS VLTAFDLSVF PLMCDLGGDF FKDPLPEADL YILARVLHDW ADGKCSHLE RIYHTCKPGG GILVIESLLD EDRRGPLLTQ
LYSLNMLVQT EGQERTPTHY HMLLSSAGFR DFQFKKTGAI YDA I LARK

General references:

Rodriguez I R., *et al.* (1994) *J Biol Chem.* 269:31969-31977.

Toma C., *et al.* (2007) *Mol Psychiatry.* 12:977-979.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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