

ASMT Human

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.

Catalog #:ENPS-671

For research use only.

Synonyms:HIOMT, HIOMTY, Acetylserotonin O-methyltransferase , Hydroxyindole O-methyltransferase , ASMT.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHH SSGLVPRGSH MGSSDQAYR LLNDYANGFM
VSQVLFAACE LGVFDLLAEA PGPLDVAAVA AGVRASAHGT ELLLDICVSL KLLKVETRGG
KAFYRNTELS SDYLTTSVPT SQCSMLKYMRTSYRCWGH LADAVREGRNQ YLETFGVPAE
ELFTAIYRSE GERLQFMQAL QEVWSVNGRS VLTAFDLSVF PLMCDLGGDF FKDPLPEADL
YILARVLHDW AD

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The ASMT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) , 1M Urea and 10% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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-Lhomocysteine and melatonin.

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