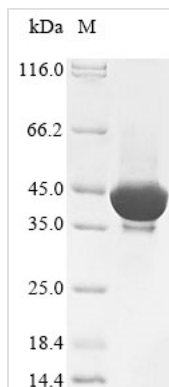




Recombinant Human Acetylserotonin O-methyltransferase (ASMT)

Product Code	CSB-EP002216HU
Abbreviation	Recombinant Human ASMT protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P46597
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MGSSSEDQAYRLLNDYANGFMVSQVLFAACELGVFDLLAEAPGPLDVAAVAAG VRSAHGTELLLDICVSLKLLKVETRGGKAFYRNTELSSDYLTTVSPTSQC SMLKYMGRTSYRCWGH LADAVREGRNQYLETFGVPAEELFTAIYRSEGERLQFMQ ALQEVWSVNGRSVLTAFDLSVFPLMCDLGGGAGALAKECMSLYPGCKITVFDI PEVVWTAKQHFSFQEEEQIDFQEGDFFKDPLPEADLYILARVLHDWADGKCS HLLERIYHTCKPGGGILVIESLLDEDRRGPLLTQLYSLNMLVQTEGQERTPTHY HMLLSSAGFRDFQFKKTGAIYDAILARK
Research Area	Cell Biology
Source	E.coli
Target Names	ASMT
Protein Names	Recommended name: Acetylserotonin O-methyltransferase EC= 2.1.1.4Alternative name(s): Hydroxyindole O-methyltransferase Short name= HIOMT
Expression Region	1-345aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	45.9 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene coding for the Human ASMT protein (1-345aa) is introduced into a plasmid vector, creating recombinant plasmid that is subsequently transformed into e.coli cells. e.coli cells capable of surviving in the presence of a specific antibiotic are selected and then cultured under conditions favorable for the expression of the gene of interest. A N-terminal 10xHis tag and C-terminal Myc tag is attached to the protein. Post-expression, the recombinant Human ASMT protein is isolated and purified from the cell lysate using affinity purification. Denaturing SDS-PAGE is applied to resolve the resulting recombinant Human ASMT protein, revealing a purity exceeding 85%.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.