

# Recombinant Human ASMT lysate

**Cat. No.** ASMT-41HCL    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Over-expression cells lysed in RIPA buffer and lysate supplied in SDS loading buffer     |
| <b>Species</b>             | Human                                                                                    |
| <b>Source</b>              | HEK293                                                                                   |
| <b>Molecular Mass</b>      | 36545.69Da                                                                               |
| <b>Recommended Usage</b>   | WB                                                                                       |
| <b>Storage Instruction</b> | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. |

## GENE INFORMATION

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ASMT acetylserotonin O-methyltransferase [ Homo sapiens ]                                                                                                                                  |
| <b>Official Symbol</b> | ASMT                                                                                                                                                                                       |
| <b>Synonyms</b>        | ASMT; acetylserotonin O-methyltransferase; ASMTY; HIOMT; HIOMTY; hydroxyindole O-methyltransferase; acetylserotonin N-methyltransferase; acetylserotonin methyltransferase (Y chromosome); |
| <b>Gene ID</b>         | 438                                                                                                                                                                                        |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | <a href="#">NM_001171038</a>                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>      | <a href="#">NP_001164509</a>                                                                                                                                                                                                                             |
| <b>MIM</b>                 | <a href="#">300015</a>                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | <a href="#">P46597</a>                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | Xp22.3 and Yp11.3                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Amine-derived hormones, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Melatonin biosynthesis, tryptophan =>serotonin => melatonin, organism-specific biosystem; Melatonin biosynthesis, tryptophan => serotonin => |
| <b>Function</b>            | O-methyltransferase activity; acetylserotonin O-methyltransferase activity; transferase activity;                                                                                                                                                        |

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