**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TP318678

## INMT (NM_006774) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human indolethylamine N-methyltransferase (INMT), 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC218678 representing NM_006774<br>Red=Cloning site Green=Tags(s)<br><br>MKGGFTGGDEYQKHFLPRDYLATYYSFNGSPSPEAEMLKFNLECLHKTFGPGGLQGDTLIDIGSGPTIYQ<br>VLAACDSFQDITLSDFTDRNREELEKWLKKEPGAYDWTPAVKFACELEGNSGRWEEKEEKLRAAVKRVLK<br>CDVHLGNPLAPAVLPLADCVLTLLAMECACCSLDAYRAALCNLASLLKPGGHLVTTVTLRLPSYVVGKRE<br>FSCVALEKEEVEQAVLDAGFDIEQLLHSPQSYSVTNAANNGVCCIVARKKPGP<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 28.7 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_006765 |
| **Locus ID:** | 11185 |
| **UniProt ID:** | O95050 |

View online »

**RefSeq Size:** 2639

**Cytogenetics:** 7p14.3

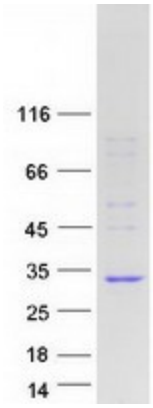
**RefSeq ORF:** 789

**Synonyms:** TEMT

**Summary:** N-methylation of endogenous and xenobiotic compounds is a major method by which they are degraded. This gene encodes an enzyme that N-methylates indoles such as tryptamine. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream MINDY4 (aka FAM188B) gene. In rodents and other mammals such as cetartiodactyla this gene is in the opposite orientation compared to its orientation in human and other primates and this gene appears to have been lost in carnivora and chiroptera. [provided by RefSeq, Jul 2019]

**Protein Pathways:** Tryptophan metabolism

## Product images:




Coomassie blue staining of purified INMT protein (Cat# TP318678). The protein was produced from HEK293T cells transfected with INMT cDNA clone (Cat# [RC218678]) using MegaTran 2.0 (Cat# [TT210002]).