

## Product datasheet for PH318678

### INMT (NM\_006774) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	INMT MS Standard C13 and N15-labeled recombinant protein (NP_006765)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218678
Predicted MW:	28.7 kDa
Protein Sequence:	>RC218678 representing NM_006774 Red=Cloning site Green=Tags(s)  MKGGFTGGDEYQKHFLPRDYLATYYSFNGSPSPEAEMLKFNLECLHKTFPGGLQGDIDLIDIGSGPTIYQ VLAACDSFQDITLSDFDTRNREELEKWLKKEPGA YDWPVKFACELEGNSGRWEEKEEKLRAAVKRVLK CDVHLGNPLAPAVLPLADCVLTLAMECACCSLDAYRAALCNLASLLKPGGHLVTTVTLRLPSYVVGKRE FSCVALEKEEVEQAVLDAGFDIEQLLHSPQSYSVTNAANNGVCCIVARKKPGP  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006765</a>
RefSeq Size:	2639
RefSeq ORF:	789
Synonyms:	TEMT
Locus ID:	11185
UniProt ID:	<a href="#">O95050</a>



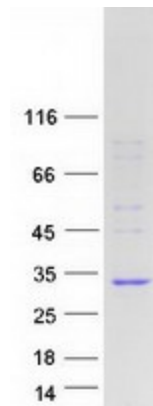
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Cytogenetics: 7p14.3

**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]).