

Recombinant Human INMT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. INMT-6553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	INMT MS Standard C13 and N15-labeled recombinant protein (NP_006765) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	28.7 kDa
AA Sequence	MKGGFTGGDEYQKHFLPRDYLATYYSFNGSPSPEAEMLKFNLECLHKTFGPGGLQ GDTLIDIGSGPTIYQVLAACDSFQDITLSDFTRNREELEKWLKKEPGAYDWTPAVKF ACELEGNSGRWEEKKEELRAAVKRVLKCDVHLGNPLAPAVLPLADCVLTLAMECA CCSLDAYRAALCNLASLLKPGGHLVTTVTLRPLSYVVGKREFSCVALEKEEVEQAVL DAGFDIEQLLHSPQSYSVTNAANNGVCCIVARKKPGPTRTRPLEQKLISEEDLAANDI LDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

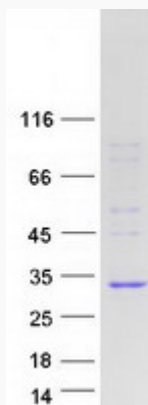
GENE INFORMATION

Gene Name	INMT indolethylamine N-methyltransferase [Homo sapiens (human)]
Official Symbol	INMT
Synonyms	INMT; indolethylamine N-methyltransferase; amine N-methyltransferase; nicotine N-methyltransferase; arylamine N-methyltransferase; indolamine N-methyltransferase; aromatic alkylamine N-methyltransferase; MGC125940; MGC125941;
Gene ID	11185
mRNA Refseq	NM_006774
Protein Refseq	NP_006765
MIM	604854
UniProt ID	O95050

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SDS-PAGE

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