

Recombinant Full Length Human INMT Protein, C-Flag-tagged

Cat. No. INMT-1894HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human INMT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.7 kDa
AA Sequence	<p>MKGGFTGGDEYQKHFLPRDYLATYYSFNGSPSPEAEMLKFNLECLHKTFGPGGLQ</p> <p>GDTLIDIGSGPTIYQ VLAACDSFQDITLSDFDTRNREELEKWLKKEPGAYDWTPAVK</p> <p>FACELEGNSGRWEEKEEKLRAAVKRVLK CDVHLGNPLAPAVLPLADCVLTLLAMEC</p> <p>ACCSLDAYRAALCNLASLLKPGGHLVTTVTLRLPSYVVGKRE FSCVALEKEEVEQA</p> <p>VLDAGFDIEQLHSPQSYSVTNAANNGVCCIVARKKPGP TRTRPLEQKLISEEDLAA</p> <p>NDILDYKDDDDKV</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Tryptophan metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	INMT indolethylamine N-methyltransferase [Homo sapiens (human)]
Official Symbol	INMT
Synonyms	TEMT
Gene ID	11185
mRNA Refseq	NM_006774.5
Protein Refseq	NP_006765.4
MIM	604854

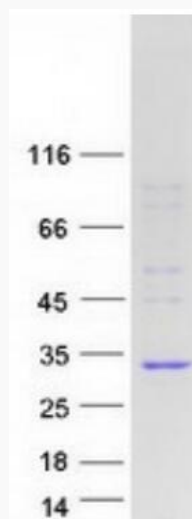
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UniProt ID

O95050



Coomassie blue staining of purified INMT protein.

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