

## INMT Protein, Human, Recombinant (His &amp; SUMO)

## General Information

Synonyms:	Indolamine N-methyltransferase;Aromatic alkylamine N-methyltransferase (Amine N-methyltransferase;Arylamine N-methyltransferase);Indolethylamine N-methyltransferase; Thioether S-methyltransferase (TEMT);INMT
Protein Construction:	1-263 aa
Species:	Human
Expression Host:	E. coli
Accession:	O95050
Molecular Weight:	44.9 kDa (predicted)
AA Sequence:	MKGGFTGGDEYQKHFLPRDYLATYYSF DGSPSPEAEMLKFNLECLHKTFGPGGLQGDTLIDIGSGPTIYQVLA ACDSFQDITLSDFTDRNREELEKWLKKEPGAYDWTPAVKFACELEGNSGRWEEKEEKLRRAAVKRVLKCDVHL GNPLAPAVLPLADCVLTLAMECACCSLDAYRAALCNLASLLKPGGHLVTTVTLRLPSYMVGKREFSCVALEK EEVEQAVLDAGFDIEQLLHSPQSYSVTNAANNGVCFIVARKKPGP

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

Reconstitution:  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Functions as thioether S-methyltransferase and is active with a variety of thioethers and the corresponding selenium and tellurium compounds, including 3-methylthiopropionaldehyde, dimethyl selenide, dimethyl

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telluride, 2-methylthioethylamine, 2-methylthioethanol, methyl-n-propyl sulfide and diethyl sulfide. Plays an important role in the detoxification of selenium compounds. Catalyzes the N-methylation of tryptamine and structurally related compounds.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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