

Datasheet for ABIN7563218

INMT Protein (AA 1-264) (His tag)



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Overview

Quantity:	1 mg
Target:	INMT
Protein Characteristics:	AA 1-264
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This INMT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Inmt Protein expressed in mammalian cells.
Sequence:	MEGKVYIGGE DYEKEFTPKD YLTYYSFHS GPVAEQEIVK FSLQNLQYTF STGGVGGDVL IDIGSGPTIY QLLSACEVFR EIIVTDYTPQ NLQELQKWLK KEPGAYDWSS IVQHACELEG DRSRWQEKEA KLRRTVTRVL RCDVTKTPPL GSAQVPLADC VLTFLAMECA CPDIDTYRAA LRRLAGLLKP GGHLVTLVTL RFQHYMVGPK KFSGVYLEKE VVEKAIQDAG CQVLKCNCVS LSYSEAYCSH DGLCFVVARV GPSA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	INMT
Alternative Name:	Inmt (INMT Products)
Background:	Indolethylamine N-methyltransferase (Indolamine N-methyltransferase) (EC 2.1.1.49) (EC 2.1.1.96) (Aromatic alkylamine N-methyltransferase) (Amine N-methyltransferase) (Arylamine N-methyltransferase) (Thioether S-methyltransferase) (TEMT),FUNCTION: Catalyzes the N-methylation of tryptamine and structurally related compounds (By similarity). Functions as a thioether S-methyltransferase and is active with a variety of thioethers and the corresponding selenium and tellurium compounds, including 3-methylthiopropionaldehyde, dimethyl selenide, dimethyl telluride, 2-methylthioethylamine, 2-methylthioethanol, methyl-n-propyl sulfide and diethyl sulfide. Plays an important role in the detoxification of selenium compounds. {ECO:0000250, ECO:0000269 PubMed:3350800}.
Molecular Weight:	29.5 kDa
UniProt:	P40936

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months