

Indolethylamine N-methyltransferase (INMT) Recombinant Protein | INMT recombinant protein

Recombinant Human Indolethylamine N-methyltransferase (INMT)

CATALOG # AAA18549	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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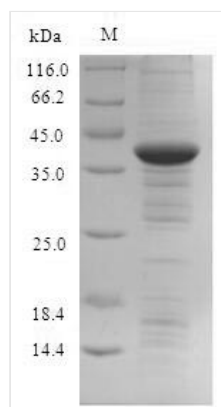
PRODUCT SYNONYMS

Indolethylamine N-methyltransferase (INMT); Recombinant Human Indolethylamine N-methyltransferase (INMT); Aromatic alkylamine N-methyltransferase; Amine N-methyltransferase; Arylamine N-methyltransferase; Thioether S-methyltransferase; TEMT; INMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-263aa; Full Length
Sequence	MKGGFTGGDE YQKHFLPRDY LATYYSDGGS PSPEAEMLKFNLECLHKFTG PGGLQGDTLI DIGSGPTIYQ VLAACDSFQD ITLSDFTDNRN REELEKWLKK EPGAYDWTPA VKFACELEGNSGRWEEKEEK LRAAVKRVLK CDVHLGNPLA PAVLPLADCV LTLAMECAC CSLDAYRAAL CNLASLLKPG GHLVTTVTLR LPSYMGVKRE FSCVALEKEE VEQAVLDAGF DIEQLHSPQ SYSVTNAANN GVCFIVARKK PGP
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for INMT recombinant protein	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 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. 1 Publication
Product Categories/Family for INMT recombinant protein	Metabolism

References	Human indolethylamine N-methyltransferase cDNA cloning and expression, gene cloning, and chromosomal localization. Thompson M.A., Moon E., Kim U.-J., Xu J., Siciliano M.J., Weinshilboum R.M. Genomics 61:285-297(1999) Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S. Nat. Genet. 36:40-45(2004) The DNA sequence of human chromosome 7. Hillier L.W., Fulton R.S., Fulton L.A., Graves T.A., Pepin K.H., Wagner-McPherson C., Layman D., Maas J., Jaeger S., Walker R., Wylie K., Sekhon M., Becker M.C., O'Laughlin M.D., Schaller M.E., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Cordes M., Du H., Sun H., Edwards J., Bradshaw-Cordum H., Ali J., Andrews S., Isak A., Vanbrunt A., Nguyen C., Du F., Lamar B., Courtney L., Kalicki J., Ozersky P., Bielicki L., Scott K., Holmes A., Harkins R., Harris A., Strong C.M., Hou S., Tomlinson C., Dauphin-Kohlberg S., Kozłowicz-Reilly A., Leonard S., Rohlfing T., Rock S.M., Tin-Wollam A.-M., Abbott A., Minx P., Maupin R., Strowmatt C., Latreille P., Miller N., Johnson D., Murray J., Woessner J.P., Wendl M.C., Yang S.-P., Schultz B.R., Wallis J.W., Spieth J., Bieri T.A., Nelson J.O., Berkowicz N., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Bedell J.A., Mardis E.R., Clifton S.W., Chissoe S.L., Marra M.A., Raymond C., Haugen E., Gillett W., Zhou Y., James R., Phelps K., Iadamoto S., Bubb K., Simms E., Levy R., Clendenning J., Kaul R., Kent W.J., Furey T.S., Baertsch R.A., Brent M.R., Keibler E., Flicek P., Bork P., Suyama M., Bailey J.A., Portnoy M.E., Torrents D., Chinwalla A.T., Gish W.R., Eddy S.R., McPherson J.D., Olson M.V., Eichler E.E., Green E.D., Waterston R.H., Wilson R.K. Nature 424:157-164(2003) Human-specific amino acid changes found in 103 protein-coding genes. Kitano T., Liu Y.-H., Ueda S., Saitou N. Mol. Biol. Evol. 21:936-944(2004) The crystal structure of human indolethylamine N-methyltransferase in complex with SAH. Structural genomics consortium (SGC) Submitted (JUN-2005) to the PDB data bank
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312836856
NCBI GeneID	11185
NCBI Accession #	NP_001186148.1
NCBI GenBank Nucleotide #	NM_001199219.1
UniProt Accession #	O95050; Q3KP49; Q9P1Y2; Q9UBY4; Q9UHQ0; B8ZZ69
Molecular Weight	44.9 kDa
NCBI Official Full Name	indolethylamine N-methyltransferase isoform 2
NCBI Official Synonym Full Names	indolethylamine N-methyltransferase
NCBI Official Symbol	INMT
NCBI Official Synonym Symbols	TEMT
NCBI Protein Information	indolethylamine N-methyltransferase
UniProt Protein Name	Indolethylamine N-methyltransferase
UniProt Gene Name	INMT
UniProt Synonym Gene Names	Indolamine N-methyltransferase; Amine N-methyltransferase; Arylamine N-methyltransferase; TEMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/inmt-recombinant-protein-e-coli/18549>