

Recombinant Human Indolethylamine N-methyltransferase(INMT)

Catalog No: #AP70449

Package Size: #AP70449-1 20ug #AP70449-2 100ug #AP70449-3 1mg

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Description

Product Name	Recombinant Human Indolethylamine N-methyltransferase(INMT)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-263aaSequence Info:Full Length
Other Names	Aromatic alkylamine N-methyltransferase ;Amine N-methyltransferase ;Arylamine N-methyltransferaseThioether S-methyltransferase ;TEMT
Accession No.	O95050
Calculated MW	44.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MKGGFTGGDEYQKHFLPRDYLATYYSF DGSPSPEAEMLKFNLECLHKTFGP GGLQGDTLIDIGSGPTIYQVLA ACDSFQDITLSDFTDRNREELEKWLKKEPGAYDWTPAVKFACELEGNSGRWEEKEEKLRAAVKRVLKCDVHL GNPLAPAVLPLADCVLTLAMECACCSLDAYRAALCNLASLLKPGGHLVTTVTLRLPSYVMVGKREFSCVALEK EEVEQAVLDAGFDIEQLLHSPQSYSVTNAANNGVCFIVARKKPGP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 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

References

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., Kozlowski-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., Chisoe S.L., Marra M.A., Raymond C., Haugen E., Gillett W., Zhou Y., James R., Phelps K., Iadanoto 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.,

Note: This product is for in vitro research use only and is not intended for use in humans or animals.