

Recombinant Human Catechol O-methyltransferase(COMT),partial

Catalog No: #AP76561

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Package Size: #AP76561-1 20ug #AP76561-2 100ug #AP76561-3 1mg

Description

Product Name	Recombinant Human Catechol O-methyltransferase(COMT),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:52-271aaSequence Info:Partial
Accession No.	P21964
Uniprot	P21964
GeneID	1312;
Calculated MW	28.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GDTKEQRILNHVLQHAEPGNAQSVLEAIDTYCEQKEWAMNVGDKKGKIVDAVIQEHQPSVLLELGAYCGYSAR RMARLLSPGARLITIEINPDCAAITQRMVDFAGVKDKVTLVVGASQDIIPQLKKKYDVDTLDMVFLDHWKDRYLP DTLLLEECGLLRKGTVLLADNVICPGAPDFLAHVVRGSSCFECTHYQSFLEYREVVDGLEKAIYKGPGEAGP
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

Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones. Also shortens the biological half-lives of certain neuroactive drugs, like L-DOPA, alpha-methyl DOPA and isoproterenol.

References

Cloning and characterization of human placental catechol-O-methyltransferase cDNA.Lundstroem K., Salminen M., Jalanko A., Savolainen R., Ulmanen I.DNA Cell Biol. 10:181-189(1991)Research Topic:Metabolism

Note: This product is for in vitro research use only