

Product datasheet for **TP324417M**

PDE9A (NM_001001574) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 9, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC224417 representing NM_001001574
Red=Cloning site **Green**=Tags(s)

MGSGSSSYRPKAIYLDIDGRIQKVFISKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQLSEREELIQSV
LAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVEIEKCKSDIKMREELAARSSRTNCPCCKYS
FLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLR
RWLFCVHDNYRNNPFHNRHCFCAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDHPGYNNTYQIN
ARTELAVRYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFK
EKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLEEFMQSDREKSEGLPVAPFMDRDK
VTKATAQIGFIKVLIPMFETVTKLFPMVEEIMLQPLWESRDREELKRIDDAMKELQKKTDSLTSGATE
KSRERSRDVKNSEGDCA

TRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 58.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

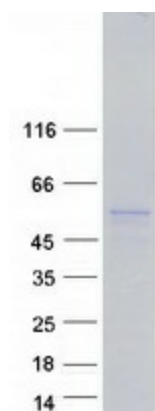
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001001574
Locus ID:	5152
UniProt ID:	O76083
RefSeq Size:	1845
Cytogenetics:	21q22.3
RefSeq ORF:	1521
Synonyms:	HSPDE9A2
Summary:	The protein encoded by this gene catalyzes the hydrolysis of cAMP and cGMP to their corresponding monophosphates. The encoded protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE9A protein (Cat# [TP324417]). The protein was produced from HEK293T cells transfected with PDE9A cDNA clone (Cat# [RC224417]) using MegaTran 2.0 (Cat# [TT210002]).