

Product datasheet for TP324417

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224417 representing NM_001001574 Red=Cloning site Green=Tags(s)

MGSGSSSYRPKAIYLDIDGRIQKVFISKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQLSEREELIQSV
LAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVEIEKCKSDIKMREELAARSSRTNCPCKYS
FLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLR
RWLFCVHDNYRNNPFHNRHCFCAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDPGYNNTYQIN
ARTELAVRYNDISPLENHHCAVAFAQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFK
EKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLEEFMQSDREKSEGLPVAPFMDRDK
VTKATAQIGFIKVLIPMFETVTKLFPMVEEIMLQPLWESRDREELKRIDDAMKELQKKTDSLTSGATE
KSRERSRDVKNSEGDCA

TRRLEQKLISEEDLAANDILDYKDDDDKV

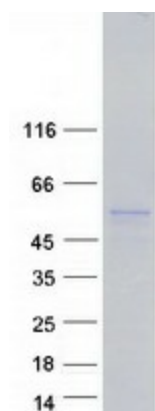
Tag:	C-Myc/DDK
Predicted MW:	58.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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:	Q76083
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]).