

## Product datasheet for **TP324417L**

### **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, 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC224417 representing NM\_001001574  
**Red**=Cloning site **Green**=Tags(s)

MGSGSSSYRPKAIYLDIDGRIQKVFISKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQLSEREELIQSV  
LAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVEIEKCKSDIKMREELAARSSRTNCPCKYS  
FLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLR  
RWLFCVHDNYRNNPFHNFRHCFCAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDHPGYNNTYQIN  
ARTELAVRYNDISPLENHHCAVAFAQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFK  
EKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLEEFMQSDREKSEGLPVAPFMDRDK  
VTKATAQIGFIKVLIPMFETVTKLFPMVEEIMLQPLWESRDYEELEKRIIDDAMKELQKKTDSLTSGATE  
KSRERSRDVKNSEGDC

**TRRLEQKLISEEDLAANDILDYKDDDDKV**

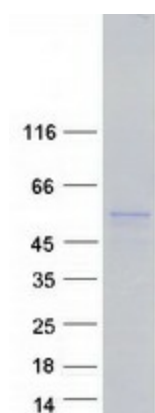
**Tag:** C-Myc/DDK  
**Predicted MW:** 58.8 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001001574</a>
<b>Locus ID:</b>	5152
<b>UniProt ID:</b>	<a href="#">Q76083</a>
<b>RefSeq Size:</b>	1845
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	1521
<b>Synonyms:</b>	HSPDE9A2
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).