

## Product datasheet for TP324133

### PDE9A (NM\_001001568) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC224133 representing NM_001001568
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MDAFRSTPYKVRPVAIKQLSEREELIQSVLAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVE  
IEKCKSDIKKMREELAARSSRTNCPCKYSFLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWE  
PNEMLSCLEHMYHDLGLVRDFSINPVTLRRWLFVHDNYRNNPFHNRFCFVAQMMYSMVWLCSLQEKF  
SQTDILILMTAAICHDLDPGYNNYQINARTELVRYNDISPLENHHCAVAFQILAEPECNIFSNIPDP  
GFKQIRQGMITLILATDMARHAEIMDSFKEKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWW  
DCLLEEFMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKVLIPMFETVTKLFPMVVEIMLQPLWESR  
DRYEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNSEGDCA

TRRLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	54.3 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001001568](#)

Locus ID: 5152

UniProt ID: [O76083](#)

RefSeq Size: 1774

Cytogenetics: 21q22.3

RefSeq ORF: 1398

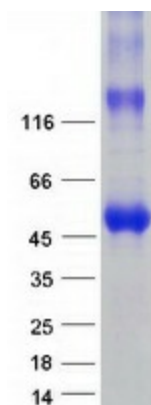
Synonyms: HSPDE9A2

**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# TP324133). The protein was produced from HEK293T cells transfected with PDE9A cDNA clone (Cat# [RC224133]) using MegaTran 2.0 (Cat# [TT210002]).