

## Product datasheet for TP317127

### PDE9A (NM\_001001578) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens phosphodiesterase 9A (PDE9A), transcript variant 13, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217127 representing NM_001001578 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGSGSSSYRPKAIYLDIDGRIQKEHDHLPADHRRRHGLHRPHHAREFRTHSVQSETCGHQATLRAFKINE  
LKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKKMREELAARSSRTNCPCKYSFLDNHKKLTPRRDVPT  
YPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDGLVRDFSINPVTLRRWLFVHDNYRNNPFH  
NFRHCFCAQMMYSMVWLC SLQEKFSTDILILMTAAICHDLDPGYNNTYQINARTELA VRYNDISPLE  
NHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFKEKMENFDYSNEEHMTL  
LKMILIKCCDISNEVRPMEVAEPWVDCLLEEFMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKFLI  
PMFETVTKLFPMVVEI MLQPLWESRDRYEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNSEGDC  
A

**TRRLEQKLISEEDLAANDILDYKDDDDKV**

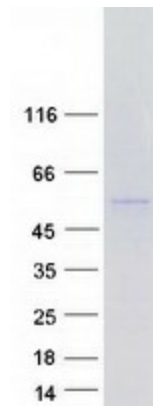
Tag:	C-Myc/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_001001578</a>
<b>Locus ID:</b>	5152
<b>UniProt ID:</b>	<a href="#">O76083</a>
<b>RefSeq Size:</b>	1797
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	1473
<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# TP317127). The protein was produced from HEK293T cells transfected with PDE9A cDNA clone (Cat# [RC217127]) using MegaTran 2.0 (Cat# [TT210002]).