

Product datasheet for **TP317127L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217127 representing NM_001001578 Red =Cloning site Green =Tags(s)

MGSGSSSYRPKAIYLDIDGRIQKEHDHLPADHRRRHGLHRPHHAREFRTHSVQSETCGHQATLRAFKINE
LKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKKMREELAARSSRTNCPCKYSFLDNHKKLTPRRDVPT
YPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDGLVRFDSINPVTLRRWLFVHDNYRNNPFH
NFRHCFCAQMMYSMVWLCSLQEKFSTDILILMTAAICHDLDPGYNNTYQINARTELAVRYNDISPLE
NHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFKEKMENFDYSNEEHMTL
LKMILIKCCDISNEVRPMEVAEPWVDCLLEEFMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKFLI
PMFETVTKLFPMVEEIMLQPLWESRDRYEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNSEGDC
A

TRRLEQKLISEEDLAANDILDYKDDDDKV

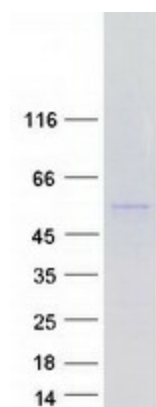
Tag:	C-Myc/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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