

## Product datasheet for TP320304L

### PDE11A (NM\_016953) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 11A (PDE11A), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC220304 representing NM_016953
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAASRLDFGEVETFLDRHPELFDYLMRKGKQEMVEKWLQRHSQGGALGPRPSLAGTSSLAHSTCRGGS  
SVGGGTGPNQSAHSQPLPGGGDCGGVPLSPSWAGGSRGDGNLQRRASQKELRKSFARSKAIHVNRITYDEQ  
VTSRAQEPLSSVRRRALLRKASSLPPTTAHILSALLESRVNLPQYPPTAIDYKCHLKKHNERQFFLELVK  
DISNDLDTLSYKILIFVCLMVDADRCFLVEGAAAGKKTLSKFFDVHAGTPLLPCSSSTENSNEVQV  
PWGKGIIGYVGEHGETVNIPDAYQDRRFNDEIDKLTGYKTKSLLCMPIRSSDGEIIGVAQAINKIPEGAP  
FTEDDEKVMQMYLPFCGIAISNAQLFAASRKEYERSRALLEVNDLFEEQTDLEKIVKKIMHRAQTLLKC  
ERCSVLLLEDIESPVVKFTKSFELMSPKCSADAENSFKESMEKSSYSDWLINNSIAELVASTGLPVNISD  
AYQDPRFDAEADQISGFHIRSVLCVPIWNSNHQIIGVAQVLNRLDGPFDADQRLFEAFVIFCGLGINN  
TIMYDQVKKSWAKQSVALDVLSYHATCSKAEVDKFKAAANIPLVSELAIDDIHFDDFSLDVDAMITAALRM  
FMELGMVQKFKIDYETLCRWLLTVRKNYRMVLYHNWRHAFNVCQLMFAMLTAGFQDILTEVEILAVIVG  
CLCHDLDRGTNNAFQAKSGSALAQLYGTSTLEHHHFNHVMILQSEGHNIFANLSSKEYSDLMQLLKQ  
SILATDLTYFERRTEFFELVSKGEYDWNINHRDIFRSMLMTACDLGAVTKPWEISRQVAELVTSEFFE  
QGDRERLELKLTPSAIFDRNRKDELPRQLLEWIDSICMPYQALVKVNVKLPMLDSVATNRSKWEELHQ  
KRLLASTASSSPASVMVAKEDRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	104.6 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.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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_058649</a>
<b>Locus ID:</b>	50940
<b>UniProt ID:</b>	<a href="#">Q9HCR9</a>
<b>RefSeq Size:</b>	9305
<b>Cytogenetics:</b>	2q31.2
<b>RefSeq ORF:</b>	2802
<b>Synonyms:</b>	PPNAD2
<b>Summary:</b>	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding 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 PDE11A protein (Cat# [TP320304]). The protein was produced from HEK293T cells transfected with PDE11A cDNA clone (Cat# [RC220304]) using MegaTran 2.0 (Cat# [TT210002]).