

Product datasheet for TP320304M

PDE11A (NM_016953) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 11A (PDE11A), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC220304 representing NM_016953
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAASRLDFGEVETFLDRHPELFDYLMRKGKQEMVEKWLQRHSQGGALGPRPSLAGTSSLAHSTCRGGS
SVGGGTGPNQSAHSQPLPGGGDCGGVPLSPSWAGGSRGDGNLQRRASQKELRKSFARSKAIHVNRTYDEQ
VTSRAQEPLSSVRRRALLRKASSLPPTTAHILSALLESRVNLPQYPPTAIDYKCHLKKHNERQFFLELVK
DISNDLDLTSYKILIFVCLMVDADRCFLVEGAAAGKKTLSKFFDVHAGTPLLPCSSSTENSNEVQV
PWGKGIIGYVGEHGETVNIPDAYQDRRFNDEIDKLTGYKTKSLLCPIRSSDGEIIGVAQAINKIPEGAP
FTEDDEKVMQMYLPFCGIAISNAQLFAASRKEYERSRALLEVNDLFEEQTDLEKIVKKIMHRAQTLLKC
ERCSVLLLEDIESPVVKFTKSFELMSPKCSADAENFSKESMEKSSYSDWLINNSIAELVASTGLPVNISD
AYQDPRFDAEADQISGFHIRSVLCVPIWNSNHQIIGVAQVLNRLDGGKPFDDADQRLFEAFVIFCGLGINN
TIMYDQVKKSWAKQSVALDVLSYHATCSKAEDVKFKAANIPLVSELAIDDIHFDDFSLDVDAMITAALRM
FMELGMVQKFKIDYETLCRWLLTVRKNYRMVLYHNWRHAFNVCQLMFAMLTAGFQDILTEVEILAVIVG
CLCHDLDRGTNNAFQAKSGSALAQLYGTSTLEHHHFNHAVMILQSEGHNIFANLSSKEYSDLMQLLKQ
SILATDLTYFERRTEFFELVSKGEYDWNINHRDIFRSMLMTACDLGAVTKPWEISRQVAELVTSEFFE
QGDRERLELKLTPSAIFDRNRKDELPRQLLEWIDSICMPYQALVKVNVKLPMLDSVATNRSKWEELHQ
KRLLASTASSSPASVMVAKEDRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

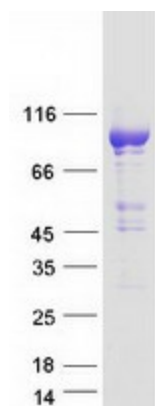
Tag:	C-Myc/DDK
Predicted MW:	104.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

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.
RefSeq:	NP_058649
Locus ID:	50940
UniProt ID:	Q9HCR9
RefSeq Size:	9305
Cytogenetics:	2q31.2
RefSeq ORF:	2802
Synonyms:	PPNAD2
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	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]).