

Product datasheet for TP320304L

OriGene Technologies, Inc.

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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)

MAASRLDFGEVETFLDRHPELFEDYLMRKGKQEMVEKWLQRHSQGQGALGPRPSLAGTSSLAHSTCRGGS SVGGGTGPNGSAHSQPLPGGGDCGGVPLSPSWAGGSRGDGNLQRRASQKELRKSFARSKAIHVNRTYDEQ

VTSRAQEPLSSVRRRALLRKASSLPPTTAHILSALLESRVNLPQYPPTAIDYKCHLKKHNERQFFLELVK
DISNDLDLTSLSYKILIFVCLMVDADRCSLFLVEGAAAGKKTLVSKFFDVHAGTPLLPCSSTENSNEVQV
PWGKGIIGYVGEHGETVNIPDAYQDRRFNDEIDKLTGYKTKSLLCMPIRSSDGEIIGVAQAINKIPEGAP
FTEDDEKVMQMYLPFCGIAISNAQLFAASRKEYERSRALLEVVNDLFEEQTDLEKIVKKIMHRAQTLLKC
ERCSVLLLEDIESPVVKFTKSFELMSPKCSADAENSFKESMEKSSYSDWLINNSIAELVASTGLPVNISD
AYQDPRFDAEADQISGFHIRSVLCVPIWNSNHQIIGVAQVLNRLDGKPFDDADQRLFEAFVIFCGLGINN
TIMYDQVKKSWAKQSVALDVLSYHATCSKAEVDKFKAANIPLVSELAIDDIHFDDFSLDVDAMITAALRM
FMELGMVQKFKIDYETLCRWLLTVRKNYRMVLYHNWRHAFNVCQLMFAMLTTAGFQDILTEVEILAVIVG
CLCHDLDHRGTNNAFQAKSGSALAQLYGTSATLEHHHFNHAVMILQSEGHNIFANLSSKEYSDLMQLLKQ
SILATDLTLYFERRTEFFELVSKGEYDWNIKNHRDIFRSMLMTACDLGAVTKPWEISRQVAELVTSEFFE
QGDRERLELKLTPSAIFDRNRKDELPRLQLEWIDSICMPLYQALVKVNVKLKPMLDSVATNRSKWEELHQ

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.





Synonyms:

PDE11A (NM_016953) Human Recombinant Protein - TP320304L

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

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

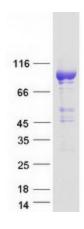
found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

PPNAD2

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]).