

Product datasheet for PH320304

PDE11A (NM_016953) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | PDE11A MS Standard C13 and N15-labeled recombinant protein (NP_058649) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC220304 |
| Predicted MW: | 104.6 kDa |
| Protein Sequence: | >RC220304 representing NM_016953 Red=Cloning site Green=Tags(s) |

MAASRLDFGEVETFLDRHPELFDYLMRKGKQEMVEKWLQRHSQGQGalGPRPSLAGTSSLAHSTCRGGS
SYGGGTGPNQSAHSQPLPGGGDCGGVPLSPSWAGGSRGDNLQRRASQKELRKSFAARSKAIHVNRTYDEQ
VTSRAQEPLSSVRRRALLRKASSLPPTTAHILSALLESRVNLQYPPTAIDYKCHLKKHNERQFFLELVK
DISNDLDTLSYKILIFVCLMVDADRCSLFLVEGAAAGKKTLSKFFDVHAGTPLLPCSSSTENSNEVQV
PWGKGIIGYVGEHGETVNIPDAYQDRRFNDEIDKLTGYKTKSLLCPIRSSDGEIIGVAQAINKIPEGAP
FTEDDEKVMQMYLPFCGIAISNAQLFAASRKEYERSRALLEVVNDLFEEQTDLEKIVKKIMHRAQTLKLC
ERCSVLLLEDIESPVVKFTKSFELMSPKCSADAENSFKESMEKSSYSDWLINNSIAELVASTGLPVNISD
AYQDPRFDAEADQISGFHIRSVLCVPIWNSNHQIIGVAQVLNRLDGKPFDDADQRLFEAFVIFCGLGINN
TIMYDQVKKSWAKQSVALDVLSYHATCSKAEVDKFKAAANIPLVSELAIDDIHFDDFSLDAMDITAAALRM
FMELGMVQKFKIDYETLCRWLLTVRKNYRMVLYHNWRHAFNVCQMLFAMLTAGFQDILTEVEILAVIVG
CLCHDLDRGTNNAFQAKSGSALAQLYGT SATLEHHHFNHVMILQSEGHNIFANLSSKEYSDLMQLLKQ
SILATDLTLFYFERRTEFFELVSKGEYDWNINKNHRDIFRSMMLTACDLGAVTKPWEISRQVAELVTSEFFE
QGDRERLELKLTPSAIFDRNRKDELPRQLQEWIDSICMPLYQALVKVNVKLPMLDSVATNRKWEELHQ
KRLLASTASSPASVMVAKEDRN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

| | |
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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |



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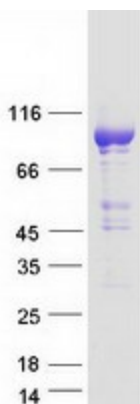
| | |
|---------------|---------------------------|
| RefSeq: | NP_058649 |
| RefSeq Size: | 9305 |
| RefSeq ORF: | 2802 |
| Synonyms: | PPNAD2 |
| Locus ID: | 50940 |
| UniProt ID: | Q9HCR9 |
| Cytogenetics: | 2q31.2 |

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]).