

Product datasheet for PH319619

PDE3B (NM_000922) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | PDE3B MS Standard C13 and N15-labeled recombinant protein (NP_000913) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC219619 |
| Predicted MW: | 124.2 kDa |
| Protein Sequence: | >RC219619 representing NM_000922 Red=Cloning site Green=Tags(s) |

MRRDERDAKAMRSLQPPDGAGSPPEESLRNGYVKSCVSPLRQDPPRGFFHLCRFCNVELRPPASPQQPR
RCSPFRCARLSLGAALAFVLALLLGAEPESWAAGAAWLRTLLSVCSHSLSPLFSIACAFFFLTCLTRTK
RGPGRSCGSSWLLALPACCYLGDFLVQWWSWPWGDGAGSAAPHTPPEAAAGRLLLVLSCVGLLLTL
AHPLRLRHCVLVLLASFVWVSFTSLGSLPSALRPLL SGLVGGAGCLLALGLDHFFQIREAPLHPRLSS
AAEEKVPVIRRRSSCVSLGETAASYGSKIFRRPSLPCISREQMILWDWDLKQWYKPHYQNSGGNG
VDLSVLNEARNMVSDDL TDPSPQVVISSLRISL MGA FSGSCRPKINPLTPFPGFYPCSEIEDPAEKG
DRKLNKGLNRNSLPTQLRRSSGTSGLLPVEQSSRWDRNNGKRP HQEFGISSQGCYLNPFNSNLLTIPK
QRSSSVSLTHHVGLRRAGVLSLSPVNSSNHGPVSTGSLTNRSP IEF PDTADFLNKPSVILQRSLGNAPN
TPDFYQQLRNSDSL CNSCGHQMLKYVSTSESDGTDCCSGKSGEEENIFSKESFKLMETQEEETEKKDS
RKLFQEGDKWLT EEAQSEQQTNI EQEVS LDI LVEEYDSLIEKMSNWNFP I FELVEKMGEKSGRILSQVM
YTLFQDTGLLEIFKIPTQQFMNYFRALENGYRDI PYHNRIHATDVLHAVWYLTTRPVPLQQIHNGCGTG
NETDSDGRINHGRIAYISSKSCSNPDESYGCLSSNIPALELMALYVAAAMHDYDHPGRTN AFLVATNAPQ
AVLYNDRSVLENHHAASAWNLYLSRPEYNFLHLHDHVEFKRFRFLVIEAILATDLKHFDFLAEFNAKAN
DVNSNGIEWSNENDRLLVCQVCIKLADINGPAKVRDLHLKWTEGIVNEFYEQGDEEANGLPISPFMDRS
SPQLAKLQESFITHIVGPLCNSYDAAGLLPGQWLEAEEDNDTESGDEEDGEELDTEDEEMENLNPKPPR
RKSRRRIFCQLMHLTENHKIWKIEIVEEECKADGNKLQVENS SLPQADEIQVIEEAEDEE

TRTRPLEQKLISEEDLAANDILDYKDDDDK

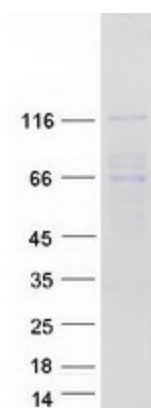
| | |
|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |



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| 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. |
| RefSeq: | NP_000913 |
| RefSeq Size: | 4784 |
| RefSeq ORF: | 3336 |
| Synonyms: | cGIPDE1; HcGIP1 |
| Locus ID: | 5140 |
| UniProt ID: | Q13370 , A7E2E5 |
| Cytogenetics: | 11p15.2 |
| Summary: | Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Insulin signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism |

Product images:



Coomassie blue staining of purified PDE3B protein (Cat# [TP319619]). The protein was produced from HEK293T cells transfected with PDE3B cDNA clone (Cat# [RC219619]) using MegaTran 2.0 (Cat# [TT210002]).