

Product datasheet for TP319619L

PDE3B (NM_000922) Human Recombinant Protein

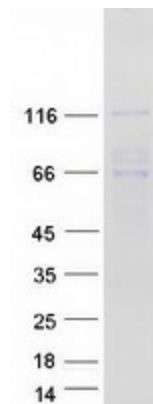
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 3B, cGMP-inhibited (PDE3B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219619 representing NM_000922 Red=Cloning site Green=Tags(s)
	<p>MRRDERDAKAMRSLQPPDGAGSPPELNRNGYVKSCVSPLRQDPPRGFFFHLCRFCNVELRPPPASPQQPR RCSPPFCRARLSLGALAAFLVALLLGAEPESWAAGAAWLRTLVSCHSLSPLFSIACAFFFLTCLTRTK RGPGRSCGSGSWLLALPACCYLGDFLVWQWWSWPWGDGDAGSAAPHTPPEAAAGRLLLVSCVGLLLTL AHPLRLRHCVLVLVLLASFWWWWVFTSLGSLPSALRPLLSGLVGGAGCLLALGLDHHFFQIREAPLHPRLSS AAEEKVPVIRPRRRSSCVSLGETAASYGSCKIFRRPSLPCISREQMILWDWDLKQWYKPHYQNSGGNG VDLSVLNEARNMVSDLLTDPVSLPPQVISSLRISLGMGAFSGSCRPKINPLTPFPGFYPCSEIEDPAEKG DRKLNKGLNRNSLPTPQLRRSSGTSGLLPVEQSSRWDRNNGKRPHQEFGISSQGCYLNPFNSNLLTIPK QRSSVSLTHHVGLRRAGVLSLSPVNSSNHGPVSTGSLTNRSPIEFPDTADFLNKPSVILQRSLGNAPN TPDFYQQLRNSDSNLCNSCGHQMLKYVSTSESDGTCCSGKSGEEENIFSKEFKLMETQEEETEKKDS RKLQEGDKWLTEEAQSEQQTNIEQEVSLDILVEEYDSLIEKMSNWNFPIFELVEKMGESGRILSQVM YTLFQDGTGLLEIFKIPTQQFMNYFRALENGYRDIPYHNRIHATDVLHAWWYLTRPVPGLQIHNCGCTG NETSDSDGRINHGRIAYISSKSCSNPDESYGCLSSNIPALELMALYVAAAMHDYDHPGRTNAFLVATNAPQ AVLYNDRSVLENHHAASAWNLYLSRPEYNFLLHLDHVEFKRFRFLVIEAILATDLKKHFDLAEFNAKAN DVNSNGIEWSNENDRLLVCQVCIKLADINGPAKVRDLHLKWTEGIVNEFYEQGDDEANLGLPISPMDRS SPQLAKLQESFITHIVGPLCNSYDAAGLLPGQWLEAEDNDTESGDDEDGEELDTEDEEMENNLNPKPPR RKSRRRIFCQLMHHLTENHKIWKEIVVEEKKADGNKLQVENSLLPQADEIQVIEEADEEE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	124.2 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



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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_000913
Locus ID:	5140
UniProt ID:	Q13370 , A7E2E5
RefSeq Size:	4784
Cytogenetics:	11p15.2
RefSeq ORF:	3336
Synonyms:	cGIPDE1; HcGIP1
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]).