

Product datasheet for TP507320

Pde1b (BC058531) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent (cDNA clone MGC:67093 IMAGE:6826674), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207320 protein sequence Red =Cloning site Green =Tags(s)
	<p>MELSPRSPPEMLESDCPSPLELKSAPSKMMWIKLRSLRYMVKQLENGEVNIEELKKNLEYTASLLEAVY IDETRQILDTEDELRELRSDAVPSEVRDWLASTFTQQTRAKGRRAEKPKFRSIVHAVQAGIFVERMFRR TYTSVGPTYSTAVHNCLKNLDLWCFDVFSLNRAADHDALRTIVFELLTRHSLISRFKIPTVFLMSFLEAL ETGYGKYKNPYHNQIHAADVTQTVHCFLLRTGMVHCLSEIEVLAIIFAAAIHDYEHTGTTNSFHIQTKSE CAILYNDRSVLENHHISSVFRMMQDDEMFINLTKDEFAELRALVIEMVLATDMSCHFQQVTKMTALQ QLERIDKSKALLLHAADISHPTKQWSVHSRWTKALMEEFFRQGDKEAELGLPFSPLCDRTSTLVAQSQ IGFIDFIVEPTFSVLTDVAEKSVQPLADDDSKPKSQPR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	52.5 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	18574



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UniProt ID: [Q01065](#)

RefSeq Size: 4233

Cytogenetics: 15 F3

RefSeq ORF: 1374

Synonyms: Pde1b1, 63kDa

Summary: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate (By similarity).[UniProtKB/Swiss-Prot Function]