

Product datasheet for TP525179

Pde5a (NM_153422) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phosphodiesterase 5A, cGMP-specific (Pde5a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225179 representing NM_153422 Red=Cloning site Green=Tags(s)

MERAGPNSVRSQQQRDPDWVEAWLDDHRDFTFSYFIRKATRDMVNAWFSEVHNIPVCKEGIRAHTESCS
CSLQQSPHADNTPGAPARKISASEFDRPLRPVVKDSEGTVSFLSDSGKKEQMPLTPPRFDSDEGDQCS
RLELVKDISSHLVDVTALCHKIFLHIHGLISADRYSLFLVCESSKDKFLISRLFDVAEGSTLEEASNNC
IRLEWNKGIVGHVAAFGEPLNIKDAYEDPRFNAEVDQITGYKTQSILCMPIKNHREEVVGVAQAINKKSG
NGGTFTEKDEKFAAYLAFCGIVLHNAQLYETSLLNKRNVLLDLASLIFEEQQSLEVILKKAATIIS
FMQVQKCTIFIVDEDCPDSFSRVFHMEEVGGKPSDPLTREQDANKINMYAQYVKNTMEPLNIPDVTKD
KFRPWTNENMGHVNTPCIGSLLCTPIKNGKKNKIVGVCQLVKNMEENTGKIKAFNQNDEQFLEAFVIFCG
LGIQNTQMYEAVERAMAKQMTLEVLSYHASAAEEETRELQALSAAVVPSAQTCLKITDFSFDFELSDLE
TALCTIRMFTDLNLVQNFQMKHEVLCRWILSVKKNYRKNVAYHNWRHAFNTAQCMFAALKAGKIQNKLTD
LETLALLIAALSHDLDRGVNNSYIQRSEHPLAQLYCHSIMEHHHFDQCLMILNSPGNQILSGLSIDEYK
TTLKIKQAILATDLALYIKRRGEFFELIRKNQFSFEDPLQKELFLAMLMTACDLSAITKPWPIQORIE
LVAAEFFDQGDREKELNMEPADLMNREKKNKIPSMQVGFIDAICLQLYEALTHVSEDCLPLLDGCRKNR
QKWQALAEQQEKMLLNGESSQGKRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	98.9 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.



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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.
RefSeq:	<u>NP_700471</u>
Locus ID:	242202
UniProt ID:	<u>Q8CG03</u>
RefSeq Size:	6728
Cytogenetics:	3 G1
RefSeq ORF:	2595
Synonyms:	Cgbpde; Cn5n; Pde5; Pde5a1; PDE5a2
Summary:	Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP. Specifically regulates nitric-oxide-generated cGMP.[UniProtKB/Swiss-Prot Function]