

Recombinant Mouse Pde5a Protein, C-Myc/DDK-tagged

Product Information

Cat	IMP-7207
Official Symbol	PDE5A
Product Overview	Purified recombinant protein of Mouse phosphodiesterase 5A, cGMP-specific (Pde5a), with C-terminal Myc/DDK tag, expressed in HEK293T cells.
Description	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]
Expression System	HEK293T
Species	Mouse
Tag	C-Myc/DDK
Form	25mM Tris.HCl, pH 7.3, 100mM glycine, 10% glycerol
Molecular Mass	98.9 kDa
AA Sequence	MERAGPNSVRSQQQRDPDWVEAWLDDHRDFTFSYFIRKATRDMVNAW FSERVHNIPVCKEGIRAHTESCSCSLQQSPHADNTTPGAPARKISASEFD RPLRPIVVKDSEGTVSFLSDSGKKEQMPLTPPRFDSDEGDQCSRLLELVK DISSHLDV TALCHKIFLHIHGLISADRYSLFLVCEDESCKDKFLISRLFDVAEG STLEEASNNCIRLEWNKGIVGHVAAFGEPLNIKDAYEDPRFNAEVDQITGY KTQSILCMPIKNHREEVVGVAQAINKKSGNGGTFTEKDEKDFAAAYLAFCGI VLHNAQLYETSLLLENKRNQVLLDLASLIFEEQQSLEVLKIAAATIISFMQVQ KCTIFIVDEDCPDSFSRVFHMEECEEVGKPSDPLTREQDANKINYMYAQYV KNTMEPLNIPDVTKDKRFPWTNENMGHVNTPCIGSLLCTPIKNGKKNKVI GVCQLVNKMEENTGKIKAFNQNDEQFLEAFVIFCGLGIQNTQMYEAVERA MAKQMVTLVLSYHASAAEEETRELQALSAAVVPSAQLKITDFSFSDFEL SDLETALCTIRMFTDLNLVQNFQMKHEVLCRWILSVKKNYRKNVAYHNW RHAFNTAQCMFAALKAGKIQNKLTDLETALLIAALSHDLDRGVNNSYIQ RSEHPLAQLYCHSIMEHHHFDQCLMILNSPGNQILSGLSIDEYKTTLKIIKQ AILATDLALYIKRRGEFFELIRKNQFSFEDPLQKELFLAMLMTACDLSAITKP WPIQQRIAELVAAEFFDQGDREKELNMEPADLMNREKKNKIPSMQVGF DAICLQLYEALTHVSEDCLPLLDGCRKNRQKWQALAEQQEKMLLNGESS QGKRDRTRRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Storage	Store at -80 centigrade 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.

Concentration

> 50 µg/mL as determined by microplate BCA method.