



Recombinant Human High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A (PDE9A)

Product Code	CSB-MP527985HU
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O76083
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p> MSGSSSYRP KAIYLDIDGR IQKVIFSKYC NSSDIMDLFC IATGLPRNTT ISLLTTDDAM VSIDPTMPAN SERTPYKVRP VAIKQLSAGV EDKRTTSRGQ SAERPLRDRR VVGLEQPRRE GAFESGQVEP RPREPQGICYQ EGQRIPPERE ELIQSVLAQV AEQFSRAFKI NELKAEVANH LAVLEKRVEL EGLKVVEIEK CKSDIKKMRE ELAARSSRTN CPCKYSFLDN HKKLTTPRRDV PTYPKYLLSP ETIEALRKPT FDVWLWEPNE MLSCLEHMYH DLGLVRDFSI NPVTLRRWLF CVHDNYRNNP FHNFRHCFCV AQMMYSMVWL CSLQEKFSQT DILILMTAAI CHLDHPGYN NTYQINARTE LAVRYNDISP LENHHCAVAF QILAEPECNI FSNIPPDGFK QIRQGMITLI LATDMARHAE IMDSFKEKME NFDYSNEEHM TLLKMILIKC CDISNEVRPM EVAEPWVDCL LEEYFMQSDR EKSEGLPVAP FMDRDKVTKA TAQIGFIKVV LIPMFETVTK LFPMVEEIML QPLWESRDY EELKRIDDAM KELQKKTDSL TSGATEKSRE RSRDVKNSEG DCA </p>
Source	Mammalian cell
Target Names	PDE9A
Protein Names	Recommended name: High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A EC= 3.1.4.35
Expression Region	1-593
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein catalyzes the hydrolysis of cAMP and cGMP to their corresponding monophosphates. The encoded protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. Multiple transcript variants encoding several different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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