

Recombinant Human PDE9A protein, His&Myc-tagged

Cat. No. PDE9A-8543H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE9A protein(O76083)(1-593aa), fused with N-terminal His tag and C-terminal Myc tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-593aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	76.0 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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.

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AA Sequence

MSGSSSYRPKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRNTTISLLTTDDA
 MVSIDPTMPANSERTPYKVRPVAIKQLSAGVEDKRRTSRGQSAERPLRDRRVVGL
 QPRREGAFESGQVEPRPREPQGCYQEGQRIPPEREELIQSVLAQVAEQFSRAFKIN
 ELKAEVANHLAVLEKRVELEGLKVVEIEKCKSDIKKMREELAARSSRTNCPCKYSFLD
 NHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLV
 RDFSINPVTLRRWLFVHDNYRNNPFHNFRHCFCAQMMYSMVWLCSLQEKFST
 DILILMTAAICHDLDPGYNNYQINARTELAVRYNDISPLENHHCAVAFQILAEPECNI
 FSNIPDPGFKQIRQGMITLILATDMARHAEIMDSFKEKMFENFDYSNEEHMTLLKMILIK
 CCDISNEVRPMEVAEPWVDCLEEFMQSDREKSEGLPVAPFMDRDKVTKATAQIG
 FIKFVLIPMFETVTKLFPMVEEIMLQPLWESRDYEEELKRIDDAMKELQKKTDSLTS
 ATEKSRERSRDVKNSEGDCA

GENE INFORMATION

Gene Name [PDE9A phosphodiesterase 9A \[Homo sapiens \]](#)

Official Symbol [PDE9A](#)

Synonyms PDE9A; phosphodiesterase 9A; high affinity cGMP-specific 3,5-cyclic phosphodiesterase 9A; phosphodiesterase PDE9A21; CGMP-specific 3,5-cyclic phosphodiesterase type 9; HSPDE9A2; FLJ90181;

Gene ID [5152](#)

mRNA Refseq [NM_001001567](#)

Protein Refseq [NP_001001567](#)

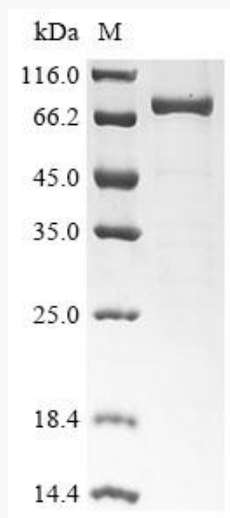
MIM [602973](#)

UniProt ID [O76083](#)

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SDS-PAGE

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