

Recombinant Human PDE9A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDE9A-921H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDE9A MS Standard C13 and N15-labeled recombinant protein (NP_001001574) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene 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.
Molecular Mass	58.8 kDa
AA Sequence	MSGGSSSYRPKAIYLDIDGRIQKVIFSKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQ LSEREELIQSVLAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVEIEKCKS DIKKMREELAARSSRTNCPCKYSFLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTF DVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLRRWLFCVHDNYRNNPFHNFRH CFCVAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDLDPGYNNNTYQINARTELAV RYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIM DSFKEKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLEEEYFMQSD REKSEGLPVAPFMDRDKVTKATAQIGFIKFVLIPMFETVTKLFPMVEEIMLQPLWESR

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	DRYEELKRIDDAMKELQKKTDSLTSGATEKSRERSRDVKNSEGDCATRRLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PDE9A phosphodiesterase 9A [Homo sapiens (human)]
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_001001574
Protein Refseq	NP_001001574
MIM	602973

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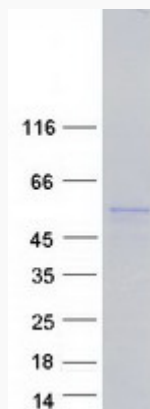
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UniProt ID

O76083

SDS-PAGE

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