

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

**Cat. No.** PDE9A-3344H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PDE9A MS Standard C13 and N15-labeled recombinant protein (NP_001001568) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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.                                                                                                                                              |
| <b>Molecular Mass</b>   | 54.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MDAFRSTPYKVRPVAIKQLSEREELIQSVLAQVAEQFSRAFKINELKAEVANHLAVLE<br>KRVELEGLKVVEIEKCKSDIKKMREELAARSSRTNCPCCKYSFLDNHKKLTPRRDVPT<br>YPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLRRLW<br>FCVHDNYRNNPFHNRHCFCAQMMYSMVWLCSLQEKFSQTDILILMTAAICHDL<br>HPGYNNQYQINARTELAVRYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQ<br>GMITLILATDMARHAEIMDSFKEKMFNFYSNEEHMTLLKMILIKCCDISNEVRPMEV<br>AEPWVDCLEEFYMQSDREKSEGLPVAPFMDRDKVTKATAQIGFIKFLIPMFETVT<br>KLFPMVVEIMLQPLWESRDYEELKRIDDAMKELQKKTDSLTSKGATEKSRERSRDV |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KNSEGDCATRRLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

|                        |                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PDE9A phosphodiesterase 9A [ Homo sapiens (human) ]                                                                                                                                         |
| <b>Official Symbol</b> | PDE9A                                                                                                                                                                                       |
| <b>Synonyms</b>        | PDE9A; phosphodiesterase 9A; high affinity cGMP-specific 3,5-cyclic phosphodiesterase 9A; phosphodiesterase PDE9A21; CGMP-specific 3,5-cyclic phosphodiesterase type 9; HSPDE9A2; FLJ90181; |
| <b>Gene ID</b>         | 5152                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_001001568                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_001001568                                                                                                                                                                                |
| <b>MIM</b>             | 602973                                                                                                                                                                                      |

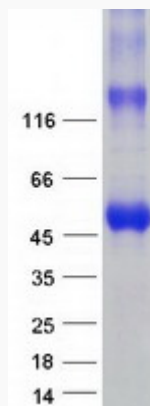
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**UniProt ID**

O76083

**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA