

## Recombinant Human PDE2A protein, His-tagged

**Cat. No.** PDE2A-906H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDE2A protein(Glu 215-His 900)(O00408-1) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                             |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 215-900 aa                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.                                                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant human PDE2A consists of 706 amino acids and predicts a molecular mass of 80.0 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                   |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                  |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.              |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                     |

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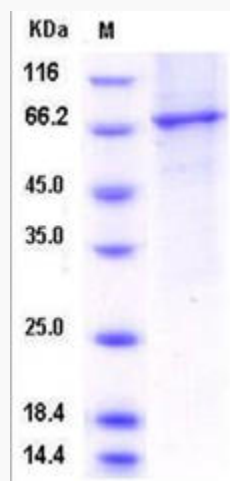
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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PDE2A phosphodiesterase 2A, cGMP-stimulated [ Homo sapiens ]                                                                                                                                                                                   |
| Official Symbol | PDE2A                                                                                                                                                                                                                                          |
| Synonyms        | PDE2A; phosphodiesterase 2A, cGMP-stimulated; cGMP-dependent 3,5-cyclic phosphodiesterase; cGMP-stimulated phosphodiesterase 1; cGMP-stimulated phosphodiesterase 4; cyclic GMP-stimulated phosphodiesterase; PDE2A1; PED2A4; cGSPDE; CGS-PDE; |
| Gene ID         | 5138                                                                                                                                                                                                                                           |
| mRNA Refseq     | NM_001143839                                                                                                                                                                                                                                   |
| Protein Refseq  | NP_001137311                                                                                                                                                                                                                                   |
| MIM             | 602658                                                                                                                                                                                                                                         |
| UniProt ID      | O00408                                                                                                                                                                                                                                         |

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**SDS-PAGE**

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