

## Recombinant Human PDE6A, His-tagged

Cat. No. PDE6A-1604H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human PDE6A protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                             |
| Species          | Human                                                                                                                                                                |
| Source           | E.coli                                                                                                                                                               |
| ProteinLength    | 1-90aa                                                                                                                                                               |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                  |
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| Gene Name       | PDE6A phosphodiesterase 6A, cGMP-specific, rod, alpha [ Homo sapiens ]                                                                                                                                                                                           |
| Official Symbol | PDE6A                                                                                                                                                                                                                                                            |
| Synonyms        | PDE6A; phosphodiesterase 6A, cGMP-specific, rod, alpha; PDEA; rod cGMP-specific 3,5-cyclic phosphodiesterase subunit alpha; PDE V-B1; GMP-PDE alpha; cGMP phosphodiesterase alpha subunit; rod photoreceptor cGMP phosphodiesterase alpha subunit; RP43; CGPR-A; |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 5145                                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_000440                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_000431                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | 180071                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P16499                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 5q31.2-q34                                                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Phototransduction, organism-specific biosystem; Phototransduction, conserved biosystem; Platelet homeostasis, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; |
| <b>Function</b>            | 3,5-cyclic-GMP phosphodiesterase activity; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity;                                                                                                                                                                                                                            |