# Recombinant Human PDE10A protein, GST-tagged

**Cat. No.** PDE10A-160H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human PDE10A protein(NP_001124162)(434-779 aa), fused to GST tag, was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 434-779 aa |
| **Form** | The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization. |
| **AA Sequence** | KLSYHSICTSEEWQGLMQFTLPVRLCKEIELFHFDIGPFENMWPGIFVYMVHRSCGT SCFELEKLCRFIMSVKKNYRRVPYHNWKHAVTVAHCMYAILQNNHTLFTDLERKGLL IACLCHDLDHRGFSNSYLQKFDHPLAALYSTSTMEQHHFSQTVSILQLEGHNIFSTLS SSEYEQVLEIIRKAIIATDLALYFGNRKQLEEMYQTGSLNLNNQSHRDRVIGLMMTAC DLCSVTKLWPVTKLTANDIYAEFWAEGDEMKKLGIQPIPMMDRDKKDEVPQGQLGF YNAVAIPCYTTLTQILPPTEPLLKACRDNLSQWEKVIRGEETATWISSPSVAQKAAAS ED |
| **Purity** | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Storage** | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer |

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| | containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles. |
| **Reconstitution** | Reconstitute at 0.25 g/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage. |

## GENE INFORMATION

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| **Gene Name** | PDE10A phosphodiesterase 10A [ Homo sapiens ] |
| **Official Symbol** | PDE10A |
| **Synonyms** | PDE10A; phosphodiesterase 10A; cAMP and cAMP-inhibited cGMP 3,5-cyclic phosphodiesterase 10A; phosphodiesterase 10A1 (PDE10A1); dJ416F21.1 (phosphodiesterase 10A); HSPDE10A; FLJ11894; FLJ25677; |
| **Gene ID** | 10846 |
| **mRNA Refseq** | NM_001130690 |
| **Protein Refseq** | NP_001124162 |
| **MIM** | 610652 |
| **UniProt ID** | Q9Y233 |

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