

## Recombinant Human PDE7A protein, His-tagged

Cat. No. PDE7A-2928H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDE7A protein(1-55 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-55 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	MGITLIWCLALVLIKWITSKRRGAISYDSSDQTALYIRMLGDVVRVRSRAGFESER
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	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.

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**GENE INFORMATION**

<b>Gene Name</b>	PDE7A phosphodiesterase 7A [ Homo sapiens ]
<b>Official Symbol</b>	PDE7A
<b>Synonyms</b>	PDE7A; phosphodiesterase 7A; high affinity cAMP-specific 3,5-cyclic phosphodiesterase 7A; HCP1; TM22; phosphodiesterase isozyme 7; PDE7;
<b>Gene ID</b>	5150
<b>mRNA Refseq</b>	NM_001242318
<b>Protein Refseq</b>	NP_001229247
<b>MIM</b>	171885
<b>UniProt ID</b>	Q13946

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