

Recombinant Human PDE9A Protein, His-tagged

Cat. No. PDE9A-2568H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDE9A Protein (Ile290-Arg549) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile290-Arg549
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.0 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration ≤ 0.1 mg/mL. Do not vortex.

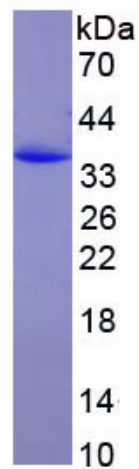
GENE INFORMATION

Gene Name	PDE9A phosphodiesterase 9A [Homo sapiens (human)]
Official Symbol	PDE9A
Synonyms	PDE9A; phosphodiesterase 9A; high affinity cGMP-specific 3,5-cyclic phosphodiesterase 9A; phosphodiesterase PDE9A21; CGMP-specific 3,5-cyclic phosphodiesterase type 9; HSPDE9A2; FLJ90181;
Gene ID	5152
mRNA Refseq	NM_001001567
Protein Refseq	NP_001001567
MIM	602973
UniProt ID	O76083

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