

Recombinant Human PDE9A Protein, His/GST-tagged

Cat. No. PDE9A-08H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PDE9A protein (1-533) with a N-terminal His/GST-tag was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-533
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	Lyophilized from sterile 20 mM Tris, pH 7.4, with 500 mM sodium chloride, 5 mM GSH, and 10% glycerol
Molecular Mass	89.5 kDa
Endotoxin	<1.0 EU/μg, determined by the LAL endotoxin assay
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 1 year

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Storage Store at -80 centigrade

GENE INFORMATION

Gene Name PDE9A phosphodiesterase 9A [Homo sapiens (human)]

Official Symbol PDE9A

Synonyms PDE9A; phosphodiesterase 9A; HSPDE9A2; high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A; CGMP-specific 3',5'-cyclic phosphodiesterase type 9; phosphodiesterase PDE9A21

Gene ID 5152

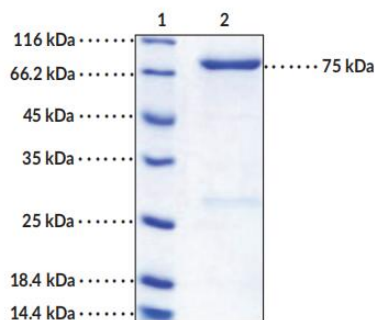
mRNA Refseq NM_001001567

Protein Refseq NP_001001567

MIM 602973

UniProt ID O76083

SDS-PAGE Analysis of PDE9A



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Lane 1: MW Markers, Lane 2: PDE9A. SDS-PAGE Analysis of PDE9A. This protein has a calculated molecular weight of 89.5 kDa. It has an apparent molecular weight of approximately 75 kDa by SDS-PAGE under reducing conditions.

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