

Recombinant Human PDE9A Protein, His/GST-tagged

Cat. No. PDE9A-043H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal His-GST-tagged full length human PDE9A2 protein (1-533) 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
Molecular Mass	89.5 kDa
Endotoxin	<1.0 EU/ µg, determined by the LAL endotoxin assay.
Purity	≥90% as determined by SDS-PAGE
Stability	≥ 1 year

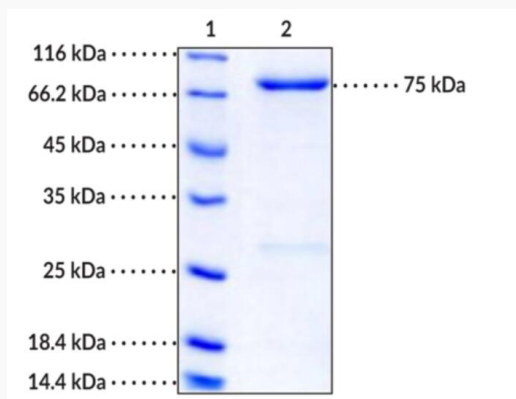
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Storage	At -80 centigrade.
Storage Buffer	Sterile 20 mM Tris, pH 7.4, with 500 mM sodium chloride, 5 mM GSH, and 10% glycerol
GENE INFORMATION	
Gene Name	PDE9A phosphodiesterase 9A [Homo sapiens (human)]
Official Symbol	PDE9A
Synonyms	PDE9A; phosphodiesterase 9A; HSPDE9A2; high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A; CGMP-specific 3',5'-cyclic phosphodiesterase type 9; phosphodiesterase PDE9A21; EC 3.1.4.35
Gene ID	5152
mRNA Refseq	NM_002606
Protein Refseq	NP_002597
MIM	602973
UniProt ID	O76083

SDS-PAGE analysis of PDE9A



Lane 1: MW Markers

Lane 2: 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 due to glycosylation.

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