

Product datasheet for PH324417

PDE9A (NM_001001574) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDE9A MS Standard C13 and N15-labeled recombinant protein (NP_001001574)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224417
Predicted MW:	58.8 kDa
Protein Sequence:	>RC224417 representing NM_001001574 Red=Cloning site Green=Tags(s)

MGS GSSSYRPKAIYLDIDGRIQKVI FSKYCNSSDIMDLFCIATGLPRTPYKVRPVAIKQLSEREELIQSV
LAQVAEQFSRAFKINELKAEVANHLAVLEKRVELEGLKVVIEKCKSDIKKMREELAARSSRTNCPCKYS
FLDNHKKLTPRRDVPTYPKYLLSPETIEALRKPTFDVWLWEPNEMLSCLEHMYHDLGLVRDFSINPVTLR
RWLFCVHDNYRNNPFHFRHCFCAQMMYSMWLCSLQEKFSQTDILILMTAAICHDLDPGYNNTYQIN
ARTELAVERYNDISPLENHHCAVAFQILAEPECNIFSNIPPDGFKQIRQGMITLILATDMARHAEIMDSFK
EKMENFDYSNEEHMTLLKMILIKCCDISNEVRPMEVAEPWVDCLLEEYFMQSDREKSEGLPVAPFMDRDK
VTKATAQIGFIKFLIPMFETVTKLFPMVVEIMLQPLWESRDREELKRIDDAMKELQKKTDSLTSGATE
KSRERSRDVKNSEGDC A

TRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001001574</u>
RefSeq Size:	1845
RefSeq ORF:	1521



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Synonyms: HSPDE9A2

Locus ID: 5152

UniProt ID: [O76083](#)

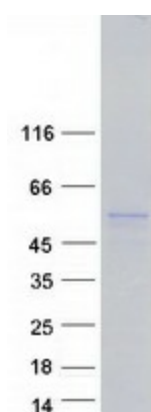
Cytogenetics: 21q22.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE9A protein (Cat# [TP324417]). The protein was produced from HEK293T cells transfected with PDE9A cDNA clone (Cat# [RC224417]) using MegaTran 2.0 (Cat# [TT210002]).