

Product datasheet for PH311181

PDE10A (NM_006661) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDE10A MS Standard C13 and N15-labeled recombinant protein (NP_006652)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211181
Predicted MW:	88.2 kDa
Protein Sequence:	>RC211181 representing NM_006661 Red=Cloning site Green=Tags(s)

MRIEERKSQHLTGLTDEKVKAYLSLHPQVLDEFVSESVAETVEKWLKRKNNKSEDESAPKEVSRYQDTN
MQGVVYELNSYIEQRLDTGGDNQLLLYELSSIIKIATKADGFALYFLGECNNSLCIFTPPGIKEGKPRLI
PAGPITQGTTVSAYVAKSRKTLLEDILGDERFPRGTGLESGTRIQSVLCLPIVTAIGDLIGILELYRHW
GKEAFCLSHQEVATANLAWASVAIHQVQVCRGLAKQTELNDFLLDVSKTYFDNIVAIDSLEHIMIYAKN
LVNADRCALFQVDHKNKELYSDFDIGEEKEGKPVFKKTEIRFSIEKGIAGQVARTGEVNLIPDAYADP
RFNREVDLYTGYTTRNILCMPIVSRGVSIGVVQMVNKISGSFASKTDENFMFVAVFCALALHCANMYHR
IRHSECIYRVTEKLSYHSICTSEEWQGLMQFTLPVRLCKEIELFHFDIGPFENMWPGFIVYVMVHRSCGT
SCFELEKLCRFIMSVKKNYRRVPYHNWKHAVTVAHCMYAILQNNHTLFTDLERKGLLIACLCHDLDRGF
SNSYLQKFDHPLAALYSTSTMEQHHSQTYSILQLEGHNIFSTLSSSEYEQVLEIRKAIATDLALYFG
NRKQLEEMYQTGSLNLNNQSHRDRVIGLMMTACDLCSTVTKLWPVTKLTANDIYAFAEGDEMKKLGIQP
IPMMDRDKKDEVQQLGFYNAVAIPCYTTLTQILPPTPELLKACRDNLSQWEKVIIRGEETATWISSPSV
AQKAAASED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_006652



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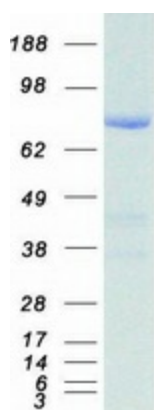
RefSeq Size:	4576
RefSeq ORF:	2337
Synonyms:	ADSD2; HSPDE10A; IOLOD; LINC00473; PDE10A19
Locus ID:	10846
UniProt ID:	Q9Y233 , A0A1B1UZR0
Cytogenetics:	6q27

Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2011]

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE10A protein (Cat# [TP311181]). The protein was produced from HEK293T cells transfected with PDE10A cDNA clone (Cat# [RC211181]) using MegaTran 2.0 (Cat# [TT210002]).