

Datasheet for ABIN7562614
PDE8A Protein (AA 1-823) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PDE8A
Protein Characteristics:	AA 1-823
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE8A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pde8a Protein expressed in mammalian cells.
Sequence:	<p>MGCAPSIHTS ENRTFSHSDG EDEDVDVDVP GPAPRSIQRW STAPGLVEPQ PRDNGASKVS</p> <p>VADVQFGPMR FHQDQLQVLL VFTKEDSQCN GFHRACEKAG FKCTVTKEVQ TVLTCFQDKL</p> <p>HDIIIDHRY PRQMDAETLC RSIRSSKFSE NTVIVGVVRR VDKESSLMP FLAAGFTRRF</p> <p>IENPNVMACY NELLQLACGE VRSQKLKLRAC NSVFTALEKS QEAEITSED HIIQYANPAF</p> <p>ESTMGYQSGE LIGKELAQVP INEKKGDLDD AINSCVTVDK EWQGVYHTQK KNGDNIQQNV</p> <p>KIIPVIGQGG KIRHYVSIIR VCNNGNKNVET TTECVQTDSQ TDNQAGKHKD RRRKHSMDAKA</p> <p>VSSRTSDVSS QRRHSSLARI HSMMEAPIT KVINIINAAQ ENSPVPVTEA LNRVLDILRT</p> <p>TELYSPQFNA QDDPHATDLV GGLMSDGLRR FSGNEYILAT KNLPPLSNL ATPVSLHDVP</p> <p>PRIALAIENE EQWDFDIFEL EVATQNRPLI YLGLKTFARF GMCEFLQCSE TTLRSWFQMI</p> <p>ESNYHSSNPY HNSTHAADV L HATAYFLSRD KIKETLDRID EVAALIAATV HDVDHPGRTN</p> <p>SFLCNAGNQL AVLYNDTAVL ESHHVALAFQ LTLENDQCNI FKQMERNDYR TLRQSIIDMV</p>

LATEMTKHFE HVNKFINSIN KPLTAQESEE PDRSLEDIKA MLKTPESRAL IKRMMIKCAD
VSNPCRPLEH CIEWAARISE EYFSQTDEEK QLDLPVVMVPV FDRNTCSIPK SQISFIDYFI
TDMFDAWDAF VDLPNLMQHL DDNFRYWKGL DEKKLRSLRP PPE **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PDE8A
Alternative Name:	Pde8a (PDE8A Products)
Background:	High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A (MmpDE8) (EC 3.1.4.53),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development. Binding to RAF1 reduces RAF1 'Ser-259' inhibitory-phosphorylation and stimulates RAF1-dependent EGF-activated ERK-signaling. Protects against cell death induced by hydrogen peroxide and staurosporine. {ECO:0000250 UniProtKB:O60658}.

Target Details

Molecular Weight:	93.2 kDa
UniProt:	O88502
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months