

Datasheet for ABIN7556727

PDE7A Protein (AA 1-456) (His tag)



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Overview

Quantity:	1 mg
Target:	PDE7A
Protein Characteristics:	AA 1-456
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE7A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pde7a Protein expressed in mammalian cells.
Sequence:	<p>MGITLIWCLA LVLIKWITSK RRGAI SYDSS DQTALYIRML GDVRVRSRAG FETERRGSHP</p> <p>YIDFRIFHSQ SDIEASVSAR NIRRLSFQR YLRSSRVFRG ATVCSSLDIL DEDYNGQAKC</p> <p>MLEKVGNNWF DIFLFDRLTN GNSLVSLTFH LFSHLGLIEY FHLDMPVKLRR FLVMIQEDYH</p> <p>SQNPYHNAVH AADVTQAMHC YLKEPKLASS VTPWDILLSL IAAATHDLDH PGNVQPFLLIK</p> <p>TNHYLATLYK NSSVLENHHW RSAVGLLRES GLFSHLPLES RQEMEAQIGA LILATDISRQ</p> <p>NEYLSLFRSH LDKGDLHLDD GRHRHLVLQM ALKCADICNP CRNWELSKQW SEKVTEEFFH</p> <p>QGDIEKKYHL GVSPICDRQT ESIANIQIGF MTYLVEPLFT EWARFSDTRL SQTMLGHVGL</p> <p>NKASWKGLQR QQPSSSEDANA AFELNSQLLT QENRLS</p> <p>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.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PDE7A
Alternative Name:	Pde7a (PDE7A Products)
Background:	High affinity 3',5'-cyclic-AMP phosphodiesterase 7A (EC 3.1.4.53) (P2A) (cAMP-specific phosphodiesterase 7A),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:11027622). May have a role in muscle signal transduction (By similarity). {ECO:0000250 UniProtKB:Q13946, ECO:0000269 PubMed:11027622}.
Molecular Weight:	52.5 kDa
UniProt:	P70453
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
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Application Details

	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