

Datasheet for ABIN7550638
PDE7A Protein (AA 1-482) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PDE7A
Protein Characteristics:	AA 1-482
Origin:	Human
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>MEVCYQLPVL PLDRPVPQHV LSRRGAISFS SSSALFGCPN PRQLSQRRGA ISYDSSDQTA LYIRMLGDVR VRSRAGFESE RRGSHPYIDF RIFHSQSEIE VSVSARNIRR LLSFQRYLRS SRFFRGTA VS NSLNILDDDDY NGQAKCMLEK VGNWNFDIFL FDRLTNGNSL VSLTFHLFSL HGLIEYFHLD MMKLRRFLVM IQEDYHSQNP YHNAVHAADV TQAMHCYLKE PKLANSVTPW DILLSLIAAA THDLDPGVN QPFLIKTNHY LATLYKNTSV LENHHWRSV GLLRESGLFS HLPLESRQQM ETQIGALILA TDISRQNEYL SLFRSHLDRG DLCLDTRHR HLVLQMAKLC ADICNPCRTW ELSKQWSEKV TEEFFHQGDI EKKYHLGVSP LCDRHTESIA NIQIGFMTYL VEPLFTEWAR FSNTRLSQTM LGHVGLNKAS WKGLQREQSS SEDTDAAFEL NSQLLPQENR LS</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) (HCP1) (TM22) (cAMP-specific phosphodiesterase 7A),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:8389765, PubMed:9195912, PubMed:19350606). May have a role in muscle signal transduction (PubMed:9195912). {ECO:0000269 PubMed:19350606, ECO:0000269 PubMed:8389765, ECO:0000269 PubMed:9195912}.
Molecular Weight:	55.5 kDa
UniProt:	Q13946
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

	as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

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