

Datasheet for ABIN7564026

## PDZRN3 Protein (AA 1-1063) (His tag)



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### Overview

Quantity:	1 mg
Target:	PDZRN3
Protein Characteristics:	AA 1-1063
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDZRN3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Pdzrn3 Protein expressed in mammalian cells.
Sequence:	<p>MGFELDRFDG DVDPLDKCAL CHKVLEDPLT TPCGHVFCAG CVLPWVQEG SCPARCRGRL</p> <p>SAKELNHVLP LKRLILKLDI KCAHAARGCG RVVKLQDLPE HLERCDFAPA RCRHAGCGQL</p> <p>LLRRDVEAHM RDACDARVPG RCQEGCGLPL THGEQRAGGH CCARALRAHN GALQARLGAL</p> <p>HKALKKEALR AGKREKSLVA QLAAAQLELQ MTALRYQKKF TEYSARLDSL SRCVAAPPGG</p> <p>KGEETKSLTL VLHRDSGSLG FNIIGGRPCV DNQDGSSEGE IFVSKIVDSE PAAKEGGLQI</p> <p>HDRIIEVNGK DLSRATHDQA VEAFTAKEP IVVQVLR RTP RTKMFTPASE SQLVDTGTQT</p> <p>DITFEHIMAL TKMSSPSPV LDPYLLPEEH PASHDYDPN DYMGGDIHQDM DREELEEEV</p> <p>GLYRMNSQDK LGLTVCYRTD DEDDIGIYIS EIDPNSIAAK DGRIREGDRI IQINGIEVQN</p> <p>REEAVALLTS EENKNFSLLI ARPELQLDEG WMDDDRNDFL DDLHMDMLEE QHHQAMQFTA</p> <p>SVLQKKKHEE DGGTTDTATI LSNQHEKDSG VGR TDESTRN DESSEQENNG EDATASANPL</p> <p>AGQRKLTCSQ DTLGSGDLPF SNESFISADC TDVDYLG IPE DECERFRELL ELKCQVQSAS</p> <p>PYSLYYPSSP LDAAGKSDPE SVDKELELLN EELRSIELEC LSIVRAHKMQ QLKEQYRESW</p>

## Product Details

MLHHSGFRNY NTSVDVRRHE LSDITELPEK SDKDSSSAYN TGESCRSTPL TLEISPDNSL  
RRVAEGSSEG ATANIEAYRP SPKNLLAITE DPEVSTPSYN PSAKELDPSQ ALEIKERRGS  
DGSRSPTASP KLGNAYLPSY HHSPYKHAHI PAHAQHYQSY MHLIQKSAV EYAQSQMSLV  
SMCKDLNSSN SVEPRMEWKV KIRSDGTRYI TKRPVRDRLL RERALKIREE RSGLTDDDDA  
MSEMKMGRYW SKEERKQHLV KAKEQRRRRE FMMQSRLDCL KEQQASDDRK EMNILELSHK  
KMMKKRNKKI FDNWMTIQEL LTHGKSPDG TRVYNSFLSV TTV **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.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	PDZRN3
Alternative Name:	Pdzrn3 ( <a href="#">PDZRN3 Products</a> )
Background:	E3 ubiquitin-protein ligase PDZRN3 (EC 2.3.2.27) (PDZ domain-containing RING finger protein 3) (RING-type E3 ubiquitin transferase PDZRN3) (Semaphorin cytoplasmic domain-associated

## Target Details

	protein 3) (Protein SEMACAP3),FUNCTION: E3 ubiquitin-protein ligase. Plays an important role in regulating the surface level of MUSK on myotubes. Mediates the ubiquitination of MUSK, promoting its endocytosis and lysosomal degradation. Might contribute to terminal myogenic differentiation. {ECO:0000269 PubMed:17118964, ECO:0000269 PubMed:17576800}.
Molecular Weight:	119.4 kDa
UniProt:	<a href="#">Q69ZS0</a>
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. 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