

Datasheet for ABIN7559991

PRKCDBP Protein (AA 1-260) (His tag)



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Overview

Quantity:	1 mg
Target:	PRKCDBP
Protein Characteristics:	AA 1-260
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKCDBP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant Cavin3 Protein expressed in mammalian cells.
Sequence:	<p>MGESALEPGP VPETPAGGPV HAVTVVTLL KLATMLEALR ERQGGLAERQ GGLAGSVRRRI</p> <p>QSGLGALSRS HDTSNTLTQ LLAKEAERVS HADAAQERAV RRAAQVQRLE ANHGILLVARG</p> <p>KLHVLLFKKE TEIPARAFQK VPELLGPEDQ LVLGPDQPED EVGESSEEEP VESRAQLRR</p> <p>TGLQKVQSLK RALSSRKAAQ PTPVKPPRVG PVRSSGEPSE GQPAAQPEME SELETALEPE</p> <p>PPQPTKEDPE KPVLIQIESAA 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>
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

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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

Grade: custom-made

Target Details

Target: PRKCDBP

Alternative Name: Cavin3 ([PRKCDBP Products](#))

Background: Caveolae-associated protein 3 (Cavin-3) (Protein kinase C delta-binding protein) (Serum deprivation response factor-related gene product that binds to C-kinase),FUNCTION: Regulates the traffic and/or budding of caveolae (By similarity). Plays a role in caveola formation in a tissue-specific manner. Required for the formation of caveolae in smooth muscle but not in the lung and heart endothelial cells (PubMed:28285351, PubMed:23652019). Regulates the equilibrium between cell surface-associated and cell surface-dissociated caveolae by promoting the rapid release of caveolae from the cell surface (PubMed:25588833). Plays a role in the regulation of the circadian clock. Modulates the period length and phase of circadian gene expression and also regulates expression and interaction of the core clock components PER1/2 and CRY1/2 (PubMed:23079727). {ECO:0000250|UniProtKB:Q969G5, ECO:0000269|PubMed:23079727, ECO:0000269|PubMed:23652019, ECO:0000269|PubMed:25588833, ECO:0000269|PubMed:28285351}.

Molecular Weight: 27.9 kDa

UniProt: [Q91VJ2](#)

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.
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Restrictions:	For Research Use only
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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