

Datasheet for ABIN7562402  
**PTRF Protein (AA 1-392) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PTRF
Protein Characteristics:	AA 1-392
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTRF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cavin1 Protein expressed in mammalian cells.
Sequence:	<p>MEDVTLHIVE RPYSGFDPAS SEGPEPTQGE ARATEEPSGT GSDELIKSDQ VNGVLVLSLL  DKIIGAVDQI QLTQAQLEER QAEMEGAVQS IQGELSKLGK AHATTSTNTVS KLEKVRKVS  VNVKTVRGSL ERQAGQIKKL EVNEAELLRR RNFKVMYQD EVKLPAKLSV SKSLKESEAL  PEKEGDELGE GERPEDDTAA IELSSDEAVE VEEVIEESRA ERIKRSGLRV VDDFKKAFSK  EKMEKTKVRT RENLEKTRLK TKENLEKTRH TLEKRMNKLK TRLVPVERRE KLKTSRDKLR  KSFTPDHVVY ARSKTAVYKV PPFTFHVKKI REGEVEVLKA TEMVEVGPED DEVGAERGEA  TDLLRGSSPD VHTLLEITEE SDAVLVDKSD SD <b>Sequence without tag. The proposed</b>  <b>Purification-Tag is based on experiences with the expression system, a different complexity</b>  <b>of the protein could make another tag necessary. In case you have a special request, please</b>  <b>contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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).

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.

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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

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Target:	PTRF
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Alternative Name:	Cavin1 ( <a href="#">PTRF Products</a> )
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Background:	<p>Caveolae-associated protein 1 (Cav-p60) (Cavin-1) (Polymerase I and transcript release factor),FUNCTION: Plays an important role in caveolae formation and organization. Essential for the formation of caveolae in all tissues (PubMed:18191225, PubMed:18840361, PubMed:18056712, PubMed:30188967). Core component of the CAVIN complex which is essential for recruitment of the complex to the caveolae in presence of calveolin-1 (CAV1) (PubMed:19546242). Essential for normal oligomerization of CAV1 (PubMed:23652019). Promotes ribosomal transcriptional activity in response to metabolic challenges in the adipocytes and plays an important role in the formation of the ribosomal transcriptional loop (PubMed:27528195). Dissociates transcription complexes paused by DNA-bound TTF1, thereby releasing both RNA polymerase I and pre-RNA from the template (PubMed:9582279, PubMed:11139612, PubMed:10589839). The caveolae biogenesis pathway is required for the secretion of proteins such as GASK1A (PubMed:30188967). {ECO:0000269 PubMed:10589839, ECO:0000269 PubMed:11139612, ECO:0000269 PubMed:18056712, ECO:0000269 PubMed:18191225, ECO:0000269 PubMed:18840361,</p>
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## Target Details

ECO:0000269|PubMed:19546242, ECO:0000269|PubMed:23652019,  
ECO:0000269|PubMed:27528195, ECO:0000269|PubMed:30188967,  
ECO:0000269|PubMed:9582279}.

Molecular Weight: 44.0 kDa

UniProt: [O54724](#)

## 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