

[Go to Product page](#)

Datasheet for ABIN7564632

PTPLAD1 Protein (AA 1-362) (His tag)

Overview

Quantity:	1 mg
Target:	PTPLAD1
Protein Characteristics:	AA 1-362
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPLAD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hacd3 Protein expressed in mammalien cells.
Sequence:	<p>METQVLTPHV YWAQRHRELY LRVELSDVQN PAISITDNVL HFKAQGHGAK GDNVYEFHLE FLDLVKPEPA YRLTQRQVNI TVQKKGSHWW ERLTKQEKRP LFLAPDFDRW LDESDAEMEL RAKEEERLNK LRLEREGSPE TLTNLKKGYL FMYNLVQLLG FSWIFVNLT V RFFILGKESF YDTFHNVADM MYFCQMLALV ETLNAAIGVT STPVLPALIQ FLGRNFILFL VFGTMEEMQN KAVVFFVFYS WSAIEIFRYP FYMLSCIDMD WKVLTWLRYT MWIPLYPLGC LSEAVAVIQS IPVFNESGRF SFTLPYPVKM KVRFSFFLQV YLVMLFLGLY INFRHLYKQR RRRYQKKKKK LH</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>
Characteristics:	Key Benefits:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PTPLAD1
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Alternative Name:	Hacd3 (PTPLAD1 Products)
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Background:	<p>Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 (EC 4.2.1.134) (3-hydroxyacyl-CoA dehydratase 3) (HACD3) (Butyrate-induced protein 1) (B-ind1) (Protein-tyrosine phosphatase-like A domain-containing protein 1),FUNCTION: Catalyzes the third of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of fatty acid elongation. Thereby, it participates in the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Involved in Rac1-signaling pathways leading to the modulation of gene expression. Promotes insulin receptor/INSR autophosphorylation and is involved in INSR internalization (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q9P035}.</p>
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Molecular Weight:	43.1 kDa
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UniProt:	Q8K2C9
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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
