

Datasheet for ABIN7550971

## PPARD Protein (AA 1-441) (His tag)



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### Overview

Quantity:	1 mg
Target:	PPARD
Protein Characteristics:	AA 1-441
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPARD protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PPARD Protein expressed in mammalian cells.
Sequence:	<p>MEQPQEEAPE VREEEEKEEV AEAEGAPELN GGPQHALPSS SYTDLSRSSS PPSLLDQLQM</p> <p>GCDGASCGSL NMECRVCGDK ASGFHYGVHA CEGCKGFFRR TIRMKLEYEK CERSCKIQKK</p> <p>NRNKCQYCRF QKCLALGMSH NAIRFGRMPE AEKRLVAGL TANEGSQYNP QVADLKAFSK</p> <p>HIYNAYLKNF NMTKKKARSI LTGKASHTAP FVIHDIETLW QAEKGLVWKQ LVNGLPPYKE</p> <p>ISVHVFYRCQ CTTVETVREL TEFAKSIPSF SSLFLNDQVT LLKYGVHEAI FAMLASIVNK</p> <p>DGLLVANGSG FVTREFLRSL RKPFSDIIEP KFEFAVKFNA LELDDSDLAL FIAAIIICGD</p> <p>RPGLMNVPRV EAIQDTILRA LEFHLQANHP DAQYLFPKLL QKMADLRQLV TEHAQMMQRI</p> <p>KKTETETSLH PLLQEYKDM Y <b>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.</b></p>
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.

## Product Details

### Characteristics:

### Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

Target: PPARΔ

Alternative Name: PPARΔ ([PPARΔ Products](#))

Background: Peroxisome proliferator-activated receptor delta (PPAR-Δ) (NUC1) (Nuclear hormone receptor 1) (NUC1) (Nuclear receptor subfamily 1 group C member 2) (Peroxisome proliferator-activated receptor beta) (PPAR-β),FUNCTION: Ligand-activated transcription factor key mediator of energy metabolism in adipose tissues (PubMed:35675826). Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma-linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand. {ECO:0000269|PubMed:1333051, ECO:0000269|PubMed:15604518, ECO:0000269|PubMed:35675826}.

Molecular Weight: 49.9 kDa

UniProt: [Q03181](#)

## Target Details

Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Positive Regulation of fat Cell Differentiation</a>
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## 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