

Datasheet for ABIN7555075

PPARA Protein (AA 1-468) (His tag)



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Overview

Quantity:	1 mg
Target:	PPARA
Protein Characteristics:	AA 1-468
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPARA protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PPARA Protein expressed in mammalian cells.
Sequence:	<p>MVDTESPLCP LSPLEAGDLE SPLSEEFLQE MGNIQEISQS IGEDSSGSFG FTEYQYLGSC PGSDGSVITD TLSPASSPSS VTYPVVPGSV DESPSGALNI ECRICGDKAS GYHYGVHACE GCKGFFRRTI RLKLVYDKCD RSCKIQKKNR NKCQYCRFHK CLSVGMSHNA IRFGRMPRSE KAKLKAEILT CEHDIEDSET ADLKSLAKRI YEAYLKNFNM NKVKARVILS GKASNNPPFV IHDMETLCMA EKTLVAKLVA NGIQNKEAEV RIFHCCQCTS VETVTELTEF AKAIPGFANL DLNDQVTLLK YGVYEAIFAM LSSVMNKDGM LVAYGNGFIT REFLKSLRKP FCDIMEPKFD FAMKFNALEL DDSDISLFVA AIICCGDRPG LLNVGHIEKM QEGIVHVLRL HLQSNHPDDI FLFPKLLQKM ADLRQLVTEH AQLVQIIKKT ESDAALHPLL QEIYRDMY Sequence without tag.</p> <p>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>

Product Details

Characteristics:	<div>Key Benefits:</div> <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 transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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>
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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

Target:	PPARA
Alternative Name:	PPARA (PPARA Products)
Background:	<p>Peroxisome proliferator-activated receptor alpha (PPAR-alpha) (Nuclear receptor subfamily 1 group C member 1),FUNCTION: Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety. Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as a transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2. May be required for the propagation of clock information to metabolic pathways regulated by PER2.</p> <p>{ECO:0000269 PubMed:10195690, ECO:0000269 PubMed:24043310, ECO:0000269 PubMed:7629123, ECO:0000269 PubMed:7684926, ECO:0000269 PubMed:9556573}.</p>
Molecular Weight:	52.2 kDa

Target Details

UniProt:	Q07869
Pathways:	Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha , Regulation of Carbohydrate Metabolic Process , Hepatitis C

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