

Datasheet for ABIN7564763
PPARGC1B Protein (AA 1-1014) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PPARGC1B
Protein Characteristics:	AA 1-1014
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPARGC1B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ppargc1b Protein expressed in mammalian cells.
Sequence:	<p>MAGNDCGALL DEELSSFFLN YLSDTQGGDS GEEQLCADLP ELDLSQLDAS DFDSATCFGE LQWCPETSET EPSQYSPDDS ELFQIDSENE ALLAALTKTL DDIPEDDVGL AAFPPELDEGD TPSCTPASPA PLSAPPSPTL ERLSPASDV DELSLLQKLL LATSSPTASS DALKDGATWS QTSLSRSRQR PCVKVDGTQD KKTPTLRAQS RPCTELHKHL TSVLPCPRVK ACSPTPHSP RLLSKEEEEE VGEDCPSPWP TPASPQDSL A QDTASPDSAQ PPEEDVRAMV QLIRYMHTYC LPQRKLPQRA PEPIQACSS LSRQVQPRSR HPPKAFWTEF SILRELLAQD ILCDVSKPYR LAIPVYASLT PQSRPRPPKD SQASPAHSAM AEEVRITASP KSTGPRPSLR PLRLEVKRDV NKPTRQKREE DEEEEEEEEE EEEEEEEEE EWGRKRPRGRG LPWTKLGRKM DSSVCPVRRS RRLNPELGPW LTFTDEPLGA LPSMCLDTET HNLEEDLGSL TDSSQGRQLP QGSQIPALES PCESGCGDTD EDPSCPQPTS RDSSRCLMLA LSQSDSLGKK SFEESLTVEL CGTAGLTPPT TPPYKMEED PFKPDTKLSP GQDTAPSLPS PEALPLTATP GASHKLPKRH PERSELLSHL QHATTQPVSQ AGQKRPFSCS FGDHDYCQVL RPEAALQRKV LRSWEPIGVH LEDLAQQGAP</p>

Product Details

LPTETKAPRR EANQNCDPTH KDSMQLRDHE IRASLTKHFG LLETALEGED LASCKSP EYD
TVFEDSSSSS GESSFLLEEE EEEEEEGEED DEGEDSGVSP PCSDHCPYQS PPSKASRQLC
SRSRSSSGSS SCSSWSPATR KNFRRESRGP CSDGTPSVRH ARKRREKAIG EGRVVYIRNL
SSDMSSRELK KRFEVFGEIV ECQVLTRSKR GQKHGFITFR CSEHAALSVR NGATLRKRNE
PSFHLSYGGL RHFRWPRYTD YDPTSEESLP SSGKSKYEAM DFDSLLKEAQ QSLH **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.**

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.

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: PPARGC1B

Alternative Name: Pparg1b ([PPARGC1B Products](#))

Background: Peroxisome proliferator-activated receptor gamma coactivator 1-beta (PGC-1-beta) (PPAR-gamma coactivator 1-beta) (PPARGC-1-beta) (ERR ligand 1),FUNCTION: Plays a role of stimulator of transcription factors and nuclear receptors activities. Activates transcriptional

Target Details

activity of estrogen receptor alpha, nuclear respiratory factor 1 (NRF1) and glucocorticoid receptor in the presence of glucocorticoids. May play a role in constitutive non-adrenergic-mediated mitochondrial biogenesis as suggested by increased basal oxygen consumption and mitochondrial number when overexpressed. May be part of the pathways regulating the elevation of gluconeogenesis, beta-oxidation of fatty acids and ketogenesis during fasting. Stimulates SREBP-mediated lipogenic gene expression in the liver. Induces energy expenditure and antagonizes obesity when overexpressed. Induces also the expression of mitochondrial genes involved in oxidative metabolism. Induces the expression of PERM1 in the skeletal muscle in an ESRRA-dependent manner. {ECO:0000269|PubMed:11733490, ECO:0000269|PubMed:12678921, ECO:0000269|PubMed:14530391, ECO:0000269|PubMed:15680331}.

Molecular Weight: 112.1 kDa

UniProt: [Q8VHJ7](#)

Pathways: [AMPK Signaling](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Lipid Metabolism by PPARalpha](#)

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