

Datasheet for ABIN7555041
PPARGC1B Protein (AA 1-1023) (His tag)



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Overview

Quantity:	1 mg
Target:	PPARGC1B
Protein Characteristics:	AA 1-1023
Origin:	Human
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:	MAGNDCGALL DEELSSFFLN YLADTQGGGS GEEQLYADFP ELDLSQLDAS DFDSATCFGE LQWCPENSET EPNQYSPDDS ELFQIDSENE ALLAECLKTL DDIPEDDVGL AAFPALDGGD ALSCTSASPA PSSAPPSPAP EKPSAPAPEV DELSLLQKLL LATSYPYSSS DTQKEGTAWR QAGLRSKSQR PCVKADSTQD KKAPMMQSQS RSCTELHKHL TSAQCCLQDR GLQPPCLQSP RLPAKEDKEP GEDCPSQPA PASPRDSLAL GRADPGAPVS QEDMQAMVQL IRYMHTYCLP QRKLPPQTPE PLPKACSNPS QQVRSRPWSR HHSKASWAEF SILRELLAQD VLCDVSKPYR LATPVYASLT PRSRPRPPKD SQASPGRPSS VEEVRIAASP KSTGPRPSLR PLRLEVKREV RRPARLQQQE EEEEEEEEE EEEEEEEEE WGRKRPRGRL PWTKLGRKLE SSVCPVRRSR RLNPELGPWL TFADEPLVPS EPQALPSLC LAPKAYDVER ELGSPTDEDS GQDQQLLRGP QIPALESPCE SGCADMEDDP SCPQLPPRDS PRCLMLALSQ SDPTFGKKSF EQTLTVELCG TAGLTPPTTP PYKPTTEEDPF KPDIKHSLGK EIALSLPSPE GLSLKATPGA AHKLPKKHPE RSELLSHLRH ATAQPASQAG QKRPFSCSFG DHDYCVLRLP EGVLRQKVLV SWEPGSHLE

Product Details

DWPQQGAPWA EAQAPGREED RSCDAGAPPK DSTLLRDHEI RASLTKHFGL LETALEEEDL
ASCKSPPEYDT VFEDSSSSSG ESSFLPEEEEE EEEEEEEEDD EEEDSGVSPT CSDHCPYQSP
PSKANRQLCS RSRSSSGSSP CHSWSPATRR NFRCESRGPC SDRTPSIRHA RKRREKAIGE
GRVVIQNLSDMSSRELKR RFEVFGIEE CEVLTRNRRG EKYGFITYRC SEHAALSLTK
GAALRKRNEP SFQLSYGGLR HFCWPRYTDY DSNSEEALPA SGKSKYEAMD FDSLLKEAQQ SLH

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: PPARGC1B ([PPARGC1B Products](#))

Background: Peroxisome proliferator-activated receptor gamma coactivator 1-beta (PGC-1-beta) (PPAR-gamma coactivator 1-beta) (PPARGC-1-beta) (PGC-1-related estrogen receptor alpha coactivator),FUNCTION: Plays a role of stimulator of transcription factors and nuclear receptors

Target Details

activities. Activates transcriptional 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 involved in fat oxidation and non-oxidative glucose metabolism and in the regulation of energy expenditure. Induces the expression of PERM1 in the skeletal muscle in an ESRRRA-dependent manner. {ECO:0000269|PubMed:11854298, ECO:0000269|PubMed:12678921, ECO:0000269|PubMed:15546003, ECO:0000269|PubMed:23836911}.

Molecular Weight: 113.2 kDa

UniProt: [Q86YN6](#)

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