

Peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A) **Recombinant Protein | PPARGC1A recombinant protein**

Recombinant Human Peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A)

CATALOG # AAA117313	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A); Recombinant Human Peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A); PPARGC1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-798aa; Full Length
Sequence	MAWDMCNQDS ESVWSDIECA ALVGEDQPLC PDLPELDLSE LDVNDLDTDS FLGGLKWCS DQSEIISNQYN NEPSNIFEKI DEENEANLLA VLTETLDSLP VDEDGLPSFD ALTDGDVTTD NEASPSSMPD GTPPPQEAE PSLLKKLLLA PANTQLSYNE CSGSTQNH A NHHNRIRTNP AIVKTENSW S NKAKSICQQ Q KPQRRPCSEL LKYLTTND DP PHTKPTENRN SSRDKCTSK K SHTQSQSQH LQAKPTTSL PLTPESPNDP KGSPFENKTI ERTLSVELSG TAGLTPPTTP PHKANQDNPF RASPKLKSSC KTVVPPPSKK PRYSESSGTQ GNNSTKKGPE QSELYAQLSK SSVLTGGHEE RKT KRPSRL R FGDHDYCQSI NSKTEILINI SQELQDSRQL ENKDVSSDWQ GQICSSTDSD QCYLRETLEA SKQVSPCSTR KQLQDQEIRA ELNKHFGHPS QAVFDDEADK TGELRDSDFS NEQFSKLPMF INSLAMDGL FDDSEDESK LSYPWDGTQS YSLFNVSPSC SSFNSPCRDS VSPPKSLFSQ RPQRMRSR SR SFSRHRSCSR SPYSR SRSR S PGSRSSRSC YYYESSHYRH RTHRNSPLYV RSRSRSPYSR RPRYDSYEEY QHERLKREEY RREYEKRESE RAKQRRQRQ KAIEERRVIY VGKIRPDTTR TELRDRFEVF GEIEECTVNL RDDGDSYGF I TYRYTCDAFA ALENGYTLRR SNETDFELYF CGRKQFFKSN YADLDSNSDD FDPASTKSKY DSLDFD SLLK EAQRSLRR
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PPARGC1A recombinant protein	This protein is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1064788214
NCBI GeneID	10891
NCBI Accession #	NP_001317680.1

NCBI GenBank Nucleotide #	NM_001330751.1
UniProt Accession #	Q9UBK2 ; Q3LIG1 ; Q4W5M7 ; Q9UN32 ; B7Z406 ; G8DM16 ; I3RTT5 ; I3RTT6 ; I3RTT7 ; I3RTT8 ; I3RTT9
Molecular Weight	77,139 Da
NCBI Official Full Name	peroxisome proliferator-activated receptor gamma coactivator 1-alpha isoform 1
NCBI Official Synonym Full Names	PPARG coactivator 1 alpha
NCBI Official Symbol	PPARGC1A
NCBI Official Synonym Symbols	LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1alpha; PGC-1(alpha)
NCBI Protein Information	peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Protein Name	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Gene Name	PPARGC1A
UniProt Synonym Gene Names	LEM6; PGC1; PGC1A; PPARGC1; PGC-1-alpha; PPAR-gamma coactivator 1-alpha; PPARGC-1-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ppargc1a-recombinant-protein-e-coli/117313>