

# Recombinant Human PPARGC1A Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07858

**Protein Name:** Pparg Coactivator 1 Alpha (PPARGC1A)

**Aliases:** LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1alpha; PGC-1-alpha; L-PGC-1alpha; PGC-1(alpha); PPARGC1alpha; PPARGC-1-alpha; PPARG coactivator 1 alpha; PPAR gamma coactivator variant form

**UniProt ID:** Q9UBK2

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9UBK2/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-798aa)

**Molecular Weight:** 95.1 kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-798aa)

MAWDMCNQDSESVWSDIECAALVGEDQPLCPDLPELDLSELDVNDLDTDSFLGGL  
KWCSDDQSEIISNQYNNEPSNIFEKIDEENEANLLAVLTETLDSLDPVDEGLPSFDALT  
DGDVTTDNEASPSSMPDGTTPPPQEAEEPSELLKLLAPANTQLSYNECSGLSTQNH  
ANHNHRIRTNPAIVKTENSWSNKAKSICQQQKPQRRPCSELLKYLTNDPPHTKP  
TENRNSRDKCTSKKKSHTQSQSQHLQAKPTTSLPLTPESPNDPKGSPFENKTIE  
RTLSVELSGTAGLTPPTTPPHKANQDNFRASPKLKSSCKTVVPPPSKKPRYSESS  
GTQGNNSTKKGPEQSELYAQLSKSSVLTGGHEERKTKRPSLRLFGDHDYDQCSINS  
KTEILINISQELQDSRQLENKDVSSDWQGGQICSSTDSQCYLRETLASKQVSPCST  
RKQLQDQEIRAELNKHFGHPSQAVFDDEADKTGELRDSDFSNEQFSKLPFINSGL  
AMDGLFDDSEDESDKLSYPWDGTQSYSLFNVSPSCSSFNSPCRDSVSPPKSLFSQ  
RPQRMRSRSPSRHRSCSRSPYSRSPSRSPGSRSSSRSCYYYESSHYRHRTHR  
NSPLYVRSRSPYSRRPRYDSYEEYQHERLKRREYRREYKRESERAKQRERQ  
RQKAIEERRVIYVGKIRPDTTRTELDRFEVFGIEECTVNLRDDGDSYGFITYRYTC  
DAFAALENGYTLRRSNETDFELYFCGRKQFFKSNYADLDSNSDDFDPASTKSKYDS  
LDFDSSLKEAQRSLRR



### 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

### 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

### 5. Product Description

This product is a recombinant Human PPARGC1A full length protein (1-798aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PPARGC1A, also known as LEM6 or PGC1 or PGC1A, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

### 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.