



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

Product Code	CSB-EP871382HUa0
Abbreviation	Recombinant Human PPARGC1A protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UBK2
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAWDMCNQDSESVWSDIECAALVGEDQPLCPDLPELDLSELDVNDLDTDSFL GGLKWCSDDQSEIISNQYNNEPSNIFEKIDEENEANLLAVLTETLDSLPPVDEDGL PSFDALTDGDVTTDNEASPSSMPDGTTPPPQEAEEPSLLKKLLLAPANTQLSYN ECSGLSTQNHANHNHRIRTNPAIVKTENSWSNKAKSICQQQKQRRPCSELLK YLTTNDPPHTKPTENRNSSRDKCTSKKKSHTQSQSQHLQAKPTTSLPLTPE SPNDPKGSPFENKTIERTLSVELSGTAGLTPPTTPPHKANQDNPFRA SPKLKS SCKTVVPPPSKKPRYSESSGTQGNNSTKKGPEQSELYAQLSKSSVLTGGHEE RKTKRPSLRLFGDHDYCQSINSKTEILINISQELQDSRQLENKDVSSDWQGQIC SSTDSDQCYLRETLEASKQVSPCSTRKQLQDQEIRAE LNKHFGHPSQAVFDD EADKTGELRDSDFSNEQFSKLPMFINSGLAMDGLFDDSEDESDKLSYPWDGT QSYSLFNVSPSCSSFNPCRDVSPPKSLFSQRPQRMRSR SRSF SRHRSCS RSPYSR SRSRSPGSRSSSRSCY YESSHYRHRTHRNSPLYVRSR SRSPYSR RPRYDSYEEYQHERLKREEYRREYEKRESERAKQRRERQRQKAIEERRVIYVG KIRPDTTRTEL RDRFEVFG EIEECTVNL RDDGDSYGFITYRYTCD AFAALENGY TLRRSNETDFELYFCGRKQFFKSNYADLDSNSDDFDPASTKSKYDSLDFDSL KEAQRSLRR
Research Area	Cardiovascular
Source	E.coli
Target Names	PPARGC1A
Expression Region	1-798aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

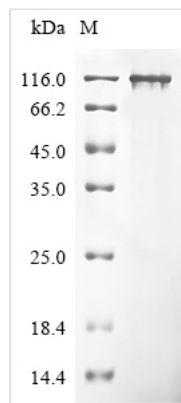
N-terminal 6xHis-tagged

Mol. Weight

95.1 kDa

Protein Length

Full Length

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The generation of the recombinant Human PPARGC1A protein involves transfecting e.coli cells with a DNA expression vector carrying the gene for the protein of interest (1-798aa). After transfection, the cells are cultured to express the desired protein. The protein is fused with a N-terminal 6xHis tag. The recombinant Human PPARGC1A protein is collected and purified from the cell lysate through affinity purification, attaining a purity greater than 90%, as determined by SDS-PAGE.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.