

## Product datasheet for **TP762231**

### PGC1 alpha (PPARGC1A) (NM\_013261) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human peroxisome proliferator-activated receptor gamma, coactivator 1 alpha (PPARGC1A), Phe511-End, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Phe511-End) of PPARGC1A
Tag:	N-His
Predicted MW:	34.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_037393</a>
Locus ID:	10891
UniProt ID:	<a href="#">Q9UBK2</a> , <a href="#">A0A024R9Q9</a>
RefSeq Size:	6317
Cytogenetics:	4p15.2
RefSeq ORF:	2394
Synonyms:	LEM6; PGC-1(alpha); PGC-1alpha; PGC-1v; PGC1; PGC1A; PPARGC1



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**Summary:**

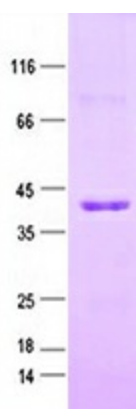
The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities 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 homeostasis, and the development of obesity. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Adipocytokine signaling pathway, Huntington's disease, Insulin signaling pathway

**Product images:**

Purified recombinant protein PPARGC1A was analyzed by SDS-PAGE gel and Coomassie Blue Staining.