

## Product datasheet for **RC230600**

### PGC1 beta (PPARGC1B) (NM\_001172698) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGC1 beta (PPARGC1B) (NM_001172698) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PGC1 beta
Synonyms:	ERRL1; PERC; PGC-1(beta); PGC1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230600 representing NM_001172698 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGAACGACTGCGGGCGCTGCTGGACGAAGAGCTCTCCTCCTTCTTCTCAACTATCTCGCTG  
ACACGCAGGGTGGAGGGTCCGGGGAGGAGCAACTCTATGCTGACTTTCCAGAACTTGACCTCTCCAGCT  
GGATGCCAGCGACTTTGACTCGGCCACCTGCTTTGGGGAGCTGCAGTGGTGGCCAGAGAAGCTCAGAGACT  
GAACCCAAACAGTACAGCCCGATGACTCCGAGCTTCCAGATTGACAGTGAGAATGAGGCCCTCTGG  
CAGAGCTACCAAGACCCTGGATGACATCCCTGAAGATGACGTGGTCTGGCTGCCTTCCAGCCCTGGA  
TGGTGGAGACGCTCTATCATGCACCTCAGCTTCGCCTGCCCTCATCTGCACCCCCAGCCCTGCCCG  
GAGAAGCCCTCGGCCAGCCCTGAGGTGGACGAGCTCTCACTGGCGGACAGCACCCAAGACAAGAAGG  
CTCCCATGATGCAGTCTCAGAGCCGAAGTTGTACAGAAGTACATAAGCACCTCACCTCGGCACAGTGCTG  
CCTGCAGGATCGGGTCTGCAGCCACCATGCCTCCAGAGTCCCCGGCTCCCTGCCAAGGAGGACAAGGAG  
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CAGACCCCGGTGCCCGGTTTCCAGGAAGACATGCAGGCGATGGTGCAACTCATACGCTACATGCACAC  
CTACTGCCTCCCCAGAGGAAGCTGCCCCACAGACCCCTGAGCCACTCCCCAAGGCCTGCAGCAACCCC  
TCCAGCAGGTGAGTCCCGCCCTGGTCCCGGACCACTCCAAAGCCTCTGGGCTGAGTCTCCATTCT  
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TGCTCCCTCACACCTCGGTCAAGGCCAGGCCCCCAAGACAGTACAGCCTCCCTGGTGCGCCGTCC  
TCGGTGGAGGAGTAAGGATCGCAGCTTACCCAAAGAGCACCGGGCCAGACCAAGCCTGCGCCACTGC  
GGCTGGAGGTGAAAAGGGAGGTCCGCCGCTGCCAGACTGCAGCAGCAGGAGGAGGAAGACGAGGAAGA  
AGAGGAGGAGGAAGGAAGAAGAAAAAGAGGAGGAGGAGTGGGGCAGGAAAAGGCCAGGCCGAGGC  
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ACCCTGAGCTGGGCCCTGGCTGACATTTGCAGATGAGCCGCTGGTCCCCTCGGAGCCCCAAGGTGCTCT  
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AGTGGCCAAGACCAGCAGCTCCTACGGGGACCCAGATCCCTGCCCTGGAGAGCCCTGTGAGAGTGGGT  
 GTGGGGACATGGATGAGGACCCAGCTGCCCGCAGCTCCCTCCCAGAGACTCTCCAGGTGCCTCATGCT  
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 GGTTACCTTGAGGACTGGCCCCAGCAGGTGCCCTTGGGCTGAGGCACAGGCCCTGGCAGGGAGGAA  
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 GGCCCTTCTGCTCAGGAAAAGCAAGTATGAAGCCATGGATTTGACAGCTTACTGAAAGAGGCCAG  
 CAGAGCCTGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230600 representing NM\_001172698  
 Red=Cloning site Green=Tags(s)

MAGNDCGALLDEELSSFFLNLYLADTQGGGSGEEQLYADFPELDLSQLDASDFDSATCFGELQWCPENSET  
 EPNQYSPDSELFQIDSENEALLAELTKLDDIPEDDVGLAAFPALDGGDALSCTSASPAPSSAPPSPAP  
 EKPSAPAPEVDELSLADSTQDKKAPMMQSQRSCTELHKHLTSAQCCLQDRGLQPPCLQSPRLPAKEDKE  
 PGEDCPSQPAPASPRDSLALGRADPGAPVSDQMAMVQLIRYMHTYCLPQRKLPQTPEPLPKACSNP  
 SQQVRSRPPSRHHSKASWAEFSILRELLAQDVLCDVSKPYRLATPVYASLTPRSRPRPKDSQASPRPS  
 SVEEVRIAASPKSTGPRPSLRPLRLEVKREVRRPARLQQQEEEEEEEEEEEEEEEEEEEEWGRKRPGRG  
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 SGQDQQLLRGPQIPALESPCESGCGDMEDEPSCPQLPPRDSRCLMLALSQSDPTFGKKSFEQTLVELC  
 GTAGLTPPTTPPYKTEEDPFKPDIKHSLGKEIALSLPSPEGLSLKATPGAHLKPKKHPERSELLSHLR  
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 EEEGEEEEEDDEEDSGVSPTCDHCPYQSPPSKANRQLCSRSRSSSGSSPCHSWPATRRNFRCESRGP  
 CSDRTPSIRHARKRREKAIIGEGRVVYIQLSSDMSSRELKRRFEVFGIEEVEVLTRNRRGEKYGFITYR  
 CSEHAALSLTKGAALRKRNEPSFQLSYGGLRHFCWPRYTDYDSNSEALPASGKSKYEAMDFDSSLKEAQ  
 QSLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

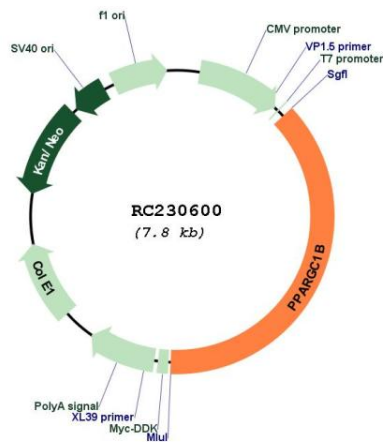
Sgfl-MluI



Locus ID: 133522  
 UniProt ID: [Q86YN6](#)  
 Cytogenetics: 5q32  
 Protein Families: Druggable Genome, Transcription Factors  
 MW: 109.4 kDa

Gene Summary: The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

**Product images:**



Circular map for RC230600