



Recombinant Human Peroxisome proliferator-activated receptor gamma(PPARG)

Product Code	CSB-EP018424HU
Relevance	Nuclear receptor that binds peroxisome proliferators such as hypolipidic drugs and fatty acids. Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR response elements (PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Key regulator of adipocyte differentiation and glucose homeostasis. ARF6 acts as a key regulator of the tissue-specific adipocyte P2 (aP2) enhancer. Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated proinflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of ARNTL/BMAL1 in the blood vessels .
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.	P37231
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Nuclear receptor subfamily 1 group C member 3
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDFSSISTPHYEDIP FTRTDPVVADYKYDLKLQEYQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLM AIECRVCGDKASGFHYGVHACEGCKGFFRRTIRLKLIDRCDLNCRIHKKSRN KCQYCRFQKCLAVGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESADLRA LAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITP LQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVTLLKYGVH EIIYTMLASLMNKDGVLISEGQGFMTREFLKSRLKPFDFMEPKFEFAVKFNAL ELDDSDLAIFIIVILSGDRPGLLNKPIEDIQDNLLQALELQLKLNHPRESSQLFAK LLQKMTDLRQIVTEHVQLLQVIKKTETDMSLHPLLQEIYKDLY
Lead Time	3-7 business days
Research Area	Transcription
Source	E.coli
Gene Names	PPARG
Expression Region	1-477aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 70.3kDa

Protein Description Full Length of Isoform 1

Image



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