



# Recombinant Mouse Peroxisome proliferator-activated receptor gamma (Pparg)

<b>Product Code</b>	CSB-EP018424MOb0
<b>Relevance</b>	Nuclear receptor that binds peroxisome proliferators such as hypolipidemic 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
<b>Abbreviation</b>	Recombinant Mouse Pparg protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P37238
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	MGETLGDSPVDPEHGAFADALPMSTSQEITMVDTEMPFWPTNFGISSVDLSV MEDHSHSFDIKPFTTVDFSSISAPHYEDIPFTRADPMVADYKYDLKLQEYQSAI KVEPASPPYYSEKTQLYNRPHEEPSNSLMAIECRVCGDKASGFHYGVHACEG CKGFFRRTIRLKLIDRCDLNCRIHKKSRNKCQYCRFQKCLAVGMSHNAIRFG RMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILT GKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEKSKEVAIRIFQGCQFRSVEA VQEITEYAKNIPGFINLDLNDQVTLTKYGVHEIYTMLASLMNKDGVLISEGQGF MTREFLKSLRKPFGDFMEPKFEFAVKFNALELDDSDLAIFIIVILSGDRPGLLN VKPIEDIQDNLLQALELQLKLNHPESSQLFAKVLQKMTDLRQIVTEHVQLLHVIK KTETDMSLHPLLQEIYKDLY
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	Pparg
<b>Expression Region</b>	1-505aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

#### Tag Info

N-terminal 10xHis-tagged

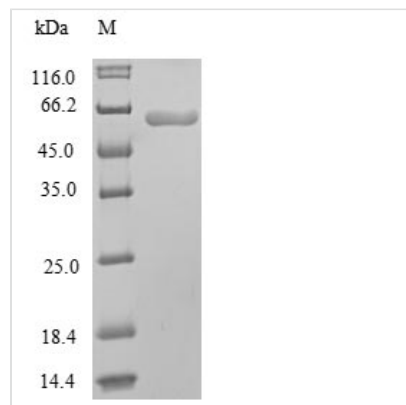
#### Mol. Weight

63.3 kDa

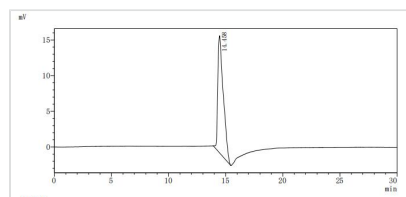
#### Protein Length

Full Length

#### Image



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



The purity of Pparg was greater than 95% as determined by SEC-HPLC

#### Shelf Life

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