Recombinant Mouse Peroxisome proliferator-activated receptor alpha (Ppara)

Product Code	CSB-EP018421MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23204
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MVDTESPICP LSPLEADDLE SPLSEEFLQE MGNIQEISQS IGEESSGSFG FADYQYLGSC PGSEGSVITD TLSPASSPSS VSCPVIPAST DESPGSALNI ECRICGDKAS GYHYGVHACE GCKGFFRRTI RLKLVYDKCD RSCKIQKKNR NKCQYCRFHK CLSVGMSHNA IRFGRMPRSE KAKLKAEILT CEHDLKDSET ADLKSLGKRI HEAYLKNFNM NKVKARVILA GKTSNNPPFV IHDMETLCMA EKTLVAKMVA NGVEDKEAEV RFFHCCQCMS VETVTELTEF AKAIPGFANL DLNDQVTLLK YGVYEAIFTM LSSLMNKDGM LIAYGNGFIT REFLKNLRKP FCDIMEPKFD FAMKFNALEL DDSDISLFVA AIICCGDRPG LLNIGYIEKL QEGIVHVLKL HLQSNHPDDT FLFPKLLQKM VDLRQLVTEH AQLVQVIKKT ESDAALHPLL QEIYRDMY
Source	E.coli
Target Names	Ppara
Protein Names	Recommended name: Peroxisome proliferator-activated receptor alpha Short name= PPAR-alpha Alternative name(s): Nuclear receptor subfamily 1 group C member 1
Expression Region	1-468
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of

	only two has been determined.
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.