PPARD Blocking Peptide

PRODUCT OVERVIEW

Product Name	PPARD, Blocking Peptide
Full Product Name	PPARD Peptide
Product Gene Name	PPARD blocking peptide
Product Synonym Gene Name	NUC1; NUC-1; Nr1c2; Pparb; PPAR[b]; Pparb/d; PPAR-beta; PPARdelta; PPAR-delta
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PPARD peptide (MBS3228772) is used for blocking the activity of PPARD antibody (MBS3203804)
Molecular Weight	48kDa
Product Categories/Family for PPARD blocking peptide	Peptide
Applications Tested/Suitable for PPARD blocking peptide	Western Blot (WB)
Related Product Information for PPARD blocking peptide	This is a synthetic peptide designed for use in combination with anti-PPARD antibody made Target Description: PPARdelta is pivotal to control the program for fatty acid oxidation in the skeletal muscle, thereby ameliorating obesity and insulin resistance through its activation in obese animals.
Other Notes	Small volumes of PPARD blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPARD purchase	MBS3228772 is a blocking peptide targeting PPARD. Also known as PPARD Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPARD. It may not necessarily be applicable to this product.

NCBI GI #	33859590
NCBI GeneID	19015
NCBI Accession #	NP_035275
UniProt Primary Accession #	P35396
UniProt Related Accession #	P35396
GenBank Nucleotide #	NM_011145
NCBI Official Full Name	peroxisome proliferator-activated receptor delta
NCBI Official Synonym Full Names	peroxisome proliferator activator receptor delta
NCBI Official Symbol	Ppard
NCBI Official Synonym Symbols	NUC1; NUC-1; Nr1c2; Pparb; PPAR[b]; Pparb/d; PPAR-beta; PPARdelta; PPAR-delta
UniProt Protein Name	Peroxisome proliferator-activated receptor delta

UniProt Synonym Protein Names	Nuclear hormone receptor 1; NUC1; Nuclear receptor subfamily 1 group C member 2; Peroxisome proliferator-activated receptor beta; PPAR-beta
Protein Family	Peroxisome proliferator-activated receptor
UniProt Gene Name	Ppard
UniProt Synonym Gene Names	Nr1c2; Pparb; PPAR-delta; NUC1; PPAR-beta
UniProt Entry Name	PPARD_MOUSE
NCBI Protein Information	peroxisome proliferator-activated receptor delta
UniProt Comments for PPARD	PPAR-delta: Ligand-activated transcription factor. Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma-linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand. Belongs to the nuclear hormone receptor family. NR1 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear receptor; DNA-binding Cellular Component: nucleus Molecular Function: ligand-dependent nuclear receptor activity; zinc ion binding; prostacyclin receptor activity; metal ion binding; transcription coactivator activity; enzyme activator activity; drug binding; retinoid X receptor binding; NF-kappaB binding; DNA binding; sequence-specific DNA binding; protein heterodimerization activity; steroid hormone receptor activity; transcription factor activity; lipid binding; fatty acid binding Biological Process: positive regulation of catalytic activity; transcription from RNA polymerase II promoter; proteoglycan metabolic process; epidermis development; wound healing; regulation of fat cell differentiation; negative regulation of smooth muscle cell proliferation; positive regulation of transcription, DNA-dependent; negative regulation of collagen biosynthetic process; positive regulation of epidermis development; negative regulation of smooth muscle cell migration; negative regulation of transcription from RNA polymerase II promoter; positive regulation of vasodilation; vitamin A metabolic process; regulation of transcription, DNA-dependent; positive regulation of cell proliferation; axon ensheathment; cell differentiation; negative regulation of epithelial cell proliferation; placenta development; intracellular receptor-mediated signaling pathway; transcription, DNA-dependent; positive regulation of insulin secretion; keratinocyte proliferation; cell-substrate adhesion; keratinocyte migration; regulation of cell proliferation; phospholipid biosynthetic process; positive regulation of phosphoinositide 3-kinase cascade; regulation of transcription from RNA polymerase II promoter; cell proliferation; G-protein coupled receptor protein signaling pathway; negative regulation of inflammatory response; mRNA transcription; steroid hormone mediated signaling; fatty acid oxidation; lipid metabolic process; negative regulation of cell growth; anagen; regulation of insulin secretion; cellular process; embryo implantation; negative regulation of apoptosis
Research Articles on PPARD	**1.** PPARbeta/delta has a protective role in melanoma progression and metastasis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/ppard/3228772