PPAR alpha Protein, Human (His)

Cat. No.:	HY-P7996
Synonyms:	PPARA, PPAR-α
Species:	Human
Source:	E. coli
Accession:	Q07869-1 (D202-Y468)
Gene ID:	5465
Molecular Weight:	Approximately 32.5kDa

PROPERTIES

AA Sequence	D L K S L A K R I Y E A Y L K N F N M N K V K A R V I L S G K A S N N P P F V I H D M E T L C M A E K T L V A K L V A N G I Q N K E A E V R I F H C C Q C T S V E T V T E L T E F A K A I P G F A N L D L N D Q V T L L K Y G V Y E A I F A M L S S V M N K D G M L V A Y G N G F I T R E F L K S L R K P F C D I M E P K F D F A M K F N A L E L D D S D I S L F V A A I I C C G D R P G L L N V G H I E K M Q E G I V H V L R L H L Q S N H P D D I F L F P K L L Q K M A D L R Q L V T E H A Q L V Q I I K K T E S D A A L H P L L Q E I Y R D M Y
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.2 μm filtered solution of PBS, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Peroxisome proliferator-activated receptors (PPARs) are ligand-dependent transcription factors that belong to the nuclear receptor superfamily comprising 48 members in human. PPARs include three subtypes, PPARα, PPARγ, and PPARδ. PPARα is involved in lipid homeostasis by regulating the transcription of sets of genes related to lipid metabolism and thereby reducing blood triglyceride levels. PPARα has attracted attention as a target for hypolipidemic drugs[1].

REFERENCES

[1]. Takuji Oyama, et al. Crystal Structures of the Human Peroxisome Proliferator-Activated Receptor (PPAR)α Ligand-Binding Domain in Complexes with a Series of Phenylpropanoic Acid Derivatives Generated by a Ligand-Exchange Soaking Method. Biol Pharm Bull. 2021;44(9):1202-1209.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA