

PPARD Protein, Human, Recombinant (His)

General Information

Synonyms:	Nuclear hormone receptor 1 (NUC1); Peroxisome proliferator-activated receptor delta; PPAR-delta; NUC1; PPARB; PPARD; Peroxisome proliferator-activated receptor beta (PPAR-beta); NR1C2; Nuclear receptor subfamily 1 group C member 2
Protein Construction:	171-441 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q03181
Molecular Weight:	35.1 kDa (predicted)
AA Sequence:	QVADLKAFSKHIYNAYLKNFNMTKKKARSILTGKASHTAPFVIHDIETLWQAEKGLVWKQLVNGLPPYKEISV HVFYRCQCTTVETVRELTEFAKSIPSFSSFLNDQVTLTKYGVHEAIFAMLASIVNKDGLLVANGSGFVTREFLR SLRKPFSDIIEPKFEFAVKFNALELDDSDLALFIAAILCGDRPGLMNVPRVEAIQDTILRALEFHLQANHPDAQY LFPKLLQKMADLRQLVTEHAQMMQRIKKTETETSLHPLLQEIKDMY

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481