

Recombinant Human PPARD protein, His/MBP-tagged

Cat. No. PPARD-320H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPARD(287-441 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	287-441 aa
Description	This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. PPARs are nuclear hormone receptors that bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. PPARs mediate a variety of biological processes, and may be involved in the development of several chronic diseases, including diabetes, obesity, atherosclerosis, and cancer. This protein is a potent inhibitor of ligand-induced transcription activity of PPAR alpha and PPAR gamma. It may function as an integrator of transcription repression and nuclear receptor signaling. The expression of this gene is found to be elevated in colorectal cancer cells. The elevated expression can be repressed by adenomatosis polyposis coli (APC), a tumor suppressor protein related to APC/beta-catenin signaling pathway. Knockout studies in mice suggested the role of this protein in myelination of the corpus callosum, lipid metabolism, and epidermal cell proliferation. Alternate splicing results in multiple transcript variants.
Form	Liquid in PBS

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Purity	SDS-PAGE >90%
Applications	WB Positive Control
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	PPARD peroxisome proliferator-activated receptor delta [Homo sapiens]
Official Symbol	PPARD
Synonyms	PPARD; peroxisome proliferator-activated receptor delta; peroxisome proliferative activated receptor, delta; FAAR; NR1C2; NUC1; NUC11; PPAR-beta; PPAR-delta; nuclear hormone receptor 1; nuclear receptor subfamily 1 group C member 2; peroxisome proliferator-activated receptor beta; peroxisome proliferator-activated nuclear receptor beta/delta variant 2; NUC1; PPARB; MGC3931;
Gene ID	5467
mRNA Refseq	NM_001171818
Protein Refseq	NP_001165289
MIM	600409
UniProt ID	Q03181

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