

## Recombinant Human PPARA Protein (Pro61-Ala170), His-tagged

**Cat. No.** PPARA-5939H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant human PPARA (Pro61-Ala170) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Pro61-Ala170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety. Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2. May be required for the propagation of clock information to metabolic pathways regulated by PER2 |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 14.27 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                                                                                                                                |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.                                                                                                                                                                                                                                                                              |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                                                                                                                    |
| <b>Shipping</b>         | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | PPARA peroxisome proliferator-activated receptor alpha [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | PPARA                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | PPARA; peroxisome proliferator-activated receptor alpha; peroxisome proliferative activated receptor, alpha, PPAR; hPPAR; NR1C1; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha; peroxisome proliferator-activated nuclear receptor alpha variant 3; PPAR; PPARalpha; MGC2237; MGC2452; |
| <b>Gene ID</b>          | 5465                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001001928                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_001001928                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 170998                                                                                                                                                                                                                                                                                                                                                 |

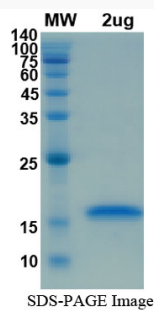
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UniProt ID Q07869

SDS-PAGE



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