

## Product datasheet

# Recombinant Human PPAR alpha protein ab81927

### 1 References

#### Description

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<b>Product name</b>	Recombinant Human PPAR alpha protein
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">Q07869</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MVDTESPLCPLSPLEAGDLESPLSEEFLLQEMGNIQEISQSI            GEDSSGSFG            FTEYQYLGSCPGSDGSVITDTLSPASSPSSVTYPVVPGSV            DESPSGALNI            ECRICGDKASGYHYGVHACEGCKGFFRRTIRLKLVDKCD            RSCKIQKKNR            NKCQYCRFHKCLSVGMSHNAIRFGRMPRSEKAKLAEILT            CEHDIEDSET            ADLKSLAKRIYEAYLKNFNMNKVKARVILSGKASNNPPFVI            HDMETLCMA            EKTLVAKLVANGIQNKEAEVRIFHCCQCTSVETVTELTEFA            KAIPGFANL            DLNDQVTLLKYGVYEAIFAMLSSVMNKDGMLVAYGNGFIT            REFLKSLR            KPFCDIMPKFDFAMKFNALDDSDISLFVAAIICCGDRP            GLLNVGHIE            KMQEGVHVLRLHLQSNHPDDIFLPKLLQKMADLRQLVT            EHAQLVQIIK KTESDAALHPLLQEYRDMY</p>
<b>Amino acids</b>	1 to 468
<b>Tags</b>	His tag N-Terminus

#### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab81927** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Gel supershift assays SDS-PAGE Other EMSA
<b>Form</b>	Liquid

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## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol
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## General Info

<b>Function</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 (By similarity). 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.
<b>Tissue specificity</b>	Skeletal muscle, liver, heart and kidney.
<b>Sequence similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>Cellular localization</b>	Nucleus.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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