

Recombinant Human PPARA Protein Product Manual

1. Product Basic Information

Product No.: REP07855

Protein Name: Peroxisome Proliferator-Activated Receptor Alpha (PPARA)

Aliases: PPAR; NR1C1; hPPAR; PPARalpha; PPAR-alpha; peroxisome proliferator-activated receptor alpha

UniProt ID: Q07869

UniProt Link: <https://www.uniprot.org/uniprotkb/Q07869/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Full Length (1-468aa)

Molecular Weight: 56.2 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-468aa)

MVDTESPLCPLSPLEAGDLESPLSEEFLLQEMGNIQEISQSIGEDSSGSFGFTEYQYL
GSCPGSDGSVITDTLSPASSPSSVTYPVVPGSVDESPGALNIECRICGDKASGYH
YGVHACEGCKGFFRRTIRLKLVDKCDRSCKIQQKKNRNKCQYCRFHKCLSVGMSH
NAIRFGRMPRSEKAKLKAIEILTCEHDIEDSETADLKSLAKRIYEAYLKNFNMNKVKAR
VILSGKASNNPPFVIHDMETLCMAEKTLVAKLVANGIQNKEAEVRIFHCCQCTSVET
VTELTEFAKAIPGFANLDLNDQVTLKYGVEAIFAMLSSVMNKDGMLVAYGNGFIT
REFLKSLRKPFCDIMEPKFDFAMKFALELDDSDISLFVAAIICGDRPGLLNVGHIE
KMQEGIVHVLRLHLQSNHPDDIFLFPKLLQKMADLRQLVTEHAQLVQIIKKTESDAAL
HPLLQEIYRDMY

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PPARA full length protein (1-468aa) expressed in Baculovirus. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PPARA, also known as PPAR or NR1C1 or hPPAR, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.