



Recombinant Human CYP19A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06617

Protein Name: Estrogen Synthase (CYP19A1)

Aliases: ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM; aromatase; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; cytochrome P450 19A1; microsomal monooxygenase; flavoprotein-linked monooxygen...

UniProt ID: P11511

UniProt Link: <https://www.uniprot.org/uniprotkb/P11511/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-503aa)

Molecular Weight: 62.0 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-503aa)

MVLEMLNPIHYNITSIVPEAMPAATMPVLLLTGLFLLVWNYEGTSSIPGPGYCMGIGP
LISHGRFLWMGIGSACNYNRYVYGEFMRVWISGEETLIISKSSSMFHIMKHNHYSSR
FGSKLGLQCIGMHEKGIIFNNNPELWKTTRPFFMKALSGPGLVRMVTVCAESLKTHL
DRLEEVTNESGYVDVLTLLRRVMLDTSNTLFLRIPLDESAIVVKIQGYFDAWQALLIK
PDIFFKISWLYKKYEKSVKDLKDAIEVLIAEKRRRISTEEKLEECMDFATELILAEKRG
DLTRENVNQCILEMLIAAPDTMSVSLFFMLFLIAKHPNVEEAIKEIQTVIGERDIKIDDI
QKLKVMENFIYESMRYQPVDLVMRKALEDDVIDGYPVKKGTNIILNIGRMHRLEFF
PKPNEFTLENFAKNVPYRYFQPFQFGPRGCAGKYIAMVMMKAILVTLLRRFHVKT
LQGCQVESIQKIHDLSLHPDETCKNMLEMIFTPRNSDRCLEH

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

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 CYP19A1 full length protein (1-503aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CYP19A1, also known as ARO or ARO1 or CPV1, 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.