



# Recombinant Human CYP17A1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06616

**Protein Name:** Cytochrome P450C17 (CYP17A1)

**Aliases:** CPT7; CYP17; S17AH; CYPXVII; P450C17; cytochrome P450c17; cytochrome P450-C17; cytochrome P450 17A1; cytochrome p450 XVIIA1; steroid 17-alpha-monooxygenase; 17-alpha-hydroxyprogesterone aldolase; ster...

**UniProt ID:** P05093

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P05093/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-508aa)

**Molecular Weight:** 84.4kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (1-508aa)

MWELVALLLLTLAYLFWPKRRCPGAKYPKSLLSLPLVGSLPFLPRHGHMHNNFFKL  
QKKYGPISVVRMGTKTTVIVGHHQLAKEVLIKKGKDFSGRPQMATLDIASNNRKGIA  
FADSGAHWQLHRRLAMATFALFKDGDQKLEKIICQEISTLCDMLATHNGQSIDISFP  
VFVAVTNVISLICFNTSYKNGDPELNVIQNYNEGIIDNLSKDSLVDLVPWLKIFPNKTL  
EKLKSHVKIRNDLLNKILENYKEKFRSDSITNMLDTLMQAKMNSDNGNAGPDQDSEL  
LSDNHILTTIGDIFGAGVETTTSVVKWTLAFLHNPQVKKKLYEEIDQNVGFSRTPTIS  
DRNRLLLLLEATIREVLRLRPVAPMLIPHKANVDSSIGFAVDKGTEVIINLWALHHNEK  
EWHQPDQFMPERFLNPAGTQLISPSVSYLPFGAGPRSCIGEILARQELFLIMAWLLQ  
RFDLEVPDDGQLPSLEGIPKVVFLIDSFKVKIKVRQAWREAQAEGST

## 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 CYP17A1 full length protein (1-508aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. CYP17A1, also known as CPT7 or CYP17 or S17AH, 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.