



Recombinant Human CYP11B1 Protein Product Manual

1. Product Basic Information

Product No.: REP06615

Protein Name: Cytochrome P450C11 (CYP11B1)

Aliases: FHI; CPN1; CYP11B; P450C11; cytochrome P450C11; cytochrome P-450c11; cytochrome p450 XIB1; steroid 11-beta-monooxygenase; cytochrome P450 11B1, mitochondrial; steroid 11-beta-hydroxylase, CYP11B1

UniProt ID: P15538

UniProt Link: <https://www.uniprot.org/uniprotkb/P15538/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (25-503aa)

Molecular Weight: 74.9 kDa

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

2. Amino Acid Sequence (25-503aa)

GTRAARVPRTVLPFEAMPRRPGNRWLRLLQIWREQGYEDLHLEVHQTFQELGPIF
RYDLGGAGMVCVMLPEDVEKLQQVDSLHPHRMSLEPWVAYRQHRGHKCGVFLLN
GPEWRFNRLRLNPEVLSPNAVQRFLPMVDAVARDFSQALKKKVLQNARGSLTLDV
QPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVMFKSTVQLMFMPRSLS
RWTSPKVVKEHFCAWDCIFQYGDNCIQKIYQELAFSRPQQYTSIVAELLLNAELSPD
AIKANSMELTAGSVDDTTVFLLMTL FELARNPNVQQALRQESLAAAASISEHPQKAT
TELP LLRAALKETLR LYPVGLFLERVASSDLVLQNYHIPAGTLVRVFLYSLGRNPALF
PRPERYNPQRWLDIRGSGRNFYHVPFGFGMRQCLGRRLAEAEMLLLLHHVLKHLQ
VETLTQEDIKMVYSFILRPSMFPLLTFRIN

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 CYP11B1 full length of mature protein protein (25-503aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. CYP11B1, also known as FHI or CPN1 or CYP11B, 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.