



Recombinant Human CYP3A7 Protein Product Manual

1. Product Basic Information

Product No.: REP06627

Protein Name: Cytochrome P450 3A7 (CYP3A7)

Aliases: CP37; CYP11A7; P450HLP2; P450-HFLA; P-450111A7; P-450(HFL33); cytochrome P450 3A7; cytochrome P450-HFLA; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein...

UniProt ID: P24462

UniProt Link: <https://www.uniprot.org/uniprotkb/P24462/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-503aa)

Molecular Weight: 64.4 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-503aa)

MDLIPNLAVETWLLLAVSLILLYLYGTRTHGLFKKLGIPGPTPLPFLGNALSFRKGYW
TFDMECYKKYRKVWGIYDCQQPMLAITDPDMIKTVLVKECYSVFTNRRPFGPVGFM
KNAISIAEDEEWKRIRLLSPTFTSGKLEKEMVPIIAQYGDVLRNLRREAETGKPVTL
KHVFGAYSMDVITSTSFGVSLNNPQDPFVENTKKLLRFNPLDPFVLSIKVFPFLT
PILEALNITVFPRKVISFLTKSVKQIKEGRLKETQKHRVDFLQLMIDSQNSKDSETHKA
LSDLELMAQSIIFAGYETTSSVLSFIYELATHPDVQQKVQKEIDTVLPNKAPPTYDT
VLQLEYLDMVVNETLRLFPVAMRLERVCKKDVEINGMFIPKGVVVMIPSYVLHHPK
YWTEPEKFLPERFSKKNKDNIDPYIYTPFGSGPRNCIGMRFALVNMKLALVRVLQNF
SFKPCKETQIPLKLRFGGLLLEKPIVLKAESRDETVSGA

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 CYP3A7 full length protein (1-503aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CYP3A7, also known as CP37 or CYP11A7 or P450HLp2, 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.