# Cytochrome P450 20a1 (CYP20A1) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cytochrome P450 20A1 (Cyp20a1), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Cytochrome P450 20A1 (Cyp20a1), partial |
| **Product Gene Name** | Cyp20a1 recombinant protein |
| **Product Synonym Gene Name** | Cyp20a1 |
| **Sequence** | MLDFAIFAVT FLLALVGAVL YLYPASRQAS GIPGLTPTEE KDGNLPDIVN SGSLHEFLVN LHERYGPVVS FWFGRRLVVS LGTTDVLKQH FNPNKTSDPF ETMLKSLLGY QSGGGSAGED HVRRKLYGDA VTASLHSNFP LLLQLSEELL DKWLSYPETQ HIPLSQHMLG FALKFVTRMV LGSTFEDEQE VIRFQKIHGT VWSEIGKGFL DGSLDKNTTR KKQYQEALMQ LESTLKKIIK ERKGGNFRQH TFIDSLTQGK LNEQQILEDC VVFSLASCII TARLCTWTIH FLTTTGEVQK KLCKEIDQVL GEGPITSEKI EQLSYCQQVL FETVRTAKLT PVSARLQDIE GKVGPFVIPK ETLVLYALGV VLQDPSTWPL PHRFDPDRFA DEPVMKVFSS LGFSGTWECP ELRFAYMVTA VLVSVLLKRL RLLAVDRQVF EMKYELVTSA REEAWITVSK RH |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 52,149 Da |
| **Sequence Positions** | 1-462 |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q8BKE6 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Cyp20a1 recombinant protein** | This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein lacks one amino acid of the conserved heme binding site. It also lacks the conserved I-helix motif AGX(D,E)T, suggesting that its substrate may carry its own oxygen. |
| **Other Notes** | Small volumes of Cyp20a1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for Cyp20a1 purchase** | MBS1397296 is a recombinant protein targeting Cyp20a1. Also known as Recombinant Mouse Cytochrome P450 20A1 (Cyp20a1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cyp20a1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 74271886 |
| **NCBI GeneID** | 77951 |
| **NCBI Accession #** | NP_084289.1 |
| **UniProt Primary Accession #** | Q8BKE6 |
| **UniProt Related Accession #** | Q8BKE6 |
| **GenBank Nucleotide #** | NM_030013.3 |
| **NCBI Official Full Name** | cytochrome P450 20A1 isoform 1 |
| **NCBI Official Synonym Full Names** | cytochrome P450, family 20, subfamily a, polypeptide 1 |
| **NCBI Official Symbol** | Cyp20a1 |
| **NCBI Official Synonym Symbols** | Cypm; A930011N14Rik |
| **UniProt Protein Name** | Cytochrome P450 20A1 |
| **Protein Family** | Cytochrome |
| **UniProt Gene Name** | Cyp20a1 |
| **NCBI Protein Information** | cytochrome P450 20A1 |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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