

## Cytochrome P450 2E1 (CYP2E1) Recombinant Protein | CYP2E1 recombinant protein

Recombinant Cytochrome P450 2E1 (CYP2E1)

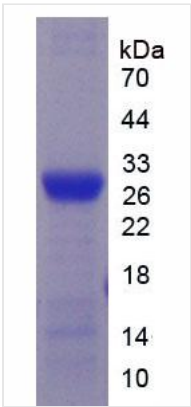
|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134718</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Cytochrome P450 2E1 (CYP2E1); Recombinant Cytochrome P450 2E1 (CYP2E1); CYP2E1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                                    | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                            | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                                               | The target protein is fused with N-terminal His-Tag, its sequence is listed below.<br>MGHHHH HHSSEF-PG PFPIPFNGI FQLDLKDIPK SLTKLAKRFG PVFTLHLGQR RIVVLHGYKA VKEVLLNHKN<br>EFSGRGDIPV FQEYKNKGII FNNGPTWKDV RRFSLSILRD WGMGKQGNEA RIQREAHFLV EELKKTGQGP<br>FDPTFLIGCA PCNVIADILF NKRFDYDDKK CLEMSLFNE NFYLLSTPWI QAYNYFSDYL QYLPGSHRKV<br>MKNVSEIRQY TLGKAKEHLK SLDINCPRDV TDCLLIEM                                                                                                                                                                                                                                          |
| Sequence Length                                        | 493                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for CYP2E1 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism                                               | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Expression System                                      | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Residues                                               | Pro34~Met273 (Accession # Q05421) with N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Endotoxin Level                                        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reconstitution                                         | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                                | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |



Sequence

PGPFPPIP FFGNIFQLDL  
KDIPKSLTKL AKRFGPVFTL HLGQRRIVVL HGYKAVKEVL LNHKNEFSGR  
GDIPVFQEYK NKGIIFNNGP TWKDVRRFSL SILRDWGMGK QGNEARIQRE  
AHFLVEELKK TKGQPFDP TF LIGCAPCNVI ADILFNKRFD YDDKKCLELM  
SLFNENFYLL STPWIQAVNY FSDYLQYLPG SHRKVMKNVS EIRQYTLGKA  
KEHLKSLDIN CPRDVTDCLL IEM

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11276065                                                                                                                                   |
| NCBI GeneID                      | 13106                                                                                                                                      |
| NCBI Accession #                 | NP_067257.1                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_021282.2                                                                                                                                |
| UniProt Accession #              | Q05421; Q9Z198                                                                                                                             |
| Molecular Weight                 | 29.4kDa                                                                                                                                    |
| NCBI Official Full Name          | cytochrome P450 2E1                                                                                                                        |
| NCBI Official Synonym Full Names | cytochrome P450, family 2, subfamily e, polypeptide 1                                                                                      |
| NCBI Official Symbol             | Cyp2e1                                                                                                                                     |
| NCBI Official Synonym Symbols    | Cyp2e                                                                                                                                      |
| NCBI Protein Information         | cytochrome P450 2E1; CYP11E1; cytochrome P450-J; cytochrome P450-ALC; 4-nitrophenol 2-hydroxylase; cytochrome P450, 2e1, ethanol inducible |
| UniProt Protein Name             | Cytochrome P450 2E1                                                                                                                        |
| UniProt Gene Name                | Cyp2e1                                                                                                                                     |
| UniProt Synonym Gene Names       | Cyp2e; Cyp2e-1                                                                                                                             |
| UniProt Entry Name               | CP2E1_MOUSE                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.