



Recombinant Human Cytochrome P450 4A22 (CYP4A22)

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| Product Code | CSB-EP725898HU-B |
| Abbreviation | CYP4A22 |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q5TCH4 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | VLSPSR RLGGVSGILQ VTSLILLLLL LIKAAQLYLH RQWLLKALQQ FPCPPSHWLF GHIQEFQHDQ ELQRIQERVK TFPSACPYWI WGGKVRVQLY DPDYMKVILG RSDPKSHGSY KFLAPRIGYG LLLLNGQTFW QHRRMLTPAF HNDILKPYVG LMADSVRVML DKWEELLGQD SPLEVFQHVS LMTLDTIMKS AFSHQGSIQV DRNSQSYIQA ISDLNSLVFC CMRNAFHEND TIYSLTSAGR WTHRACQLAH QHTDQVIQLR KAQLQKEGEL EKIKRKRHLD FLDILLAKM ENGSILSDKD LRAEVDTFMF EGHDTTASGI SWILYALATH PKHQERCREE IHGLLDGAS ITWNHLDQMP YTTMCIKEAL RLYPPVPGIG RELSTPVTFP DGRSLPKGIM VLLSIYGLHH NPKVWPNLEV FDPSRFAPGS AQHSHAFLPF SGGSRNCIGK QFAMNQLKVA RALTLLRFEL LPDPTRIPIP MARLVLKSKN GIHLRLRRLP NPCEDKDQL |
| Source | E.coli |
| Target Names | CYP4A22 |
| Protein Names | Recommended name: Cytochrome P450 4A22 Alternative name(s): CYP1VA22 Fatty acid omega-hydroxylase Lauric acid omega-hydroxylase EC= 1.14.15.3 |
| Expression Region | 5-519 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This gene is part of a cluster of cytochrome P450 genes on chromosome 1p33. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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