



# Recombinant Human Cytochrome P450 1A1 (CYP1A1)

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| <b>Product Code</b>      | CSB-BP006395HU  |
| <b>Relevance</b>         | Cytochromes P450 are a group of he-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.   |
| <b>Storage</b>           | 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.   |
| <b>Uniprot No.</b>       | P04798  |
| <b>Alias</b>             | CYP1A1 Cytochrome P450 form 6 Cytochrome P450-CCytochrome P450-P1   |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | MLFPISMSATEFLLASVIFCLVFWVIRASRPQVPKGLKNPPGPWGWPLIGHMLT<br>LGKNPHLALSRMSQQYGDVLQIRIGSTPVVVL SGLDTRQALVRQGDDFKGRP<br>DLYTFTLISNGQSMSFSPDSGPVWAARRRLAQNGLKSFSIASDPASSTSCYLE<br>EHVSKEAEVLISTLQELMAGPGHFNPHYRYVVSVTNVICAICFGRRYDHNHQE<br>LLSLVNLNNNFGEVVGSGNPADFIPLRYLPNPSLNAFKDLNEKFYSFMQKMKV<br>EHYKTFEKGHIRDITDSLIEHCQEQLDENANVQLSDEKIINIVLDFGAGFDTVT<br>TAISWSLMYLMNPRVQRKIQEELDTVIGRSRRPRLSDRSHLPYMEAFILETFR<br>HSSFVPFTIPHSTTRDTSLKGFYIPKGRCVFVNQWQINHDQKLWVNPSEFLPE<br>RFLTPDGAIDKVLSEKVIIFGMGKRKCIGETIARWEVFLFLAILLQRVEFSVPLGV<br>KVDMTPIYGLTMKHACCEHFQMLRS |
| <b>Research Area</b>     | Cancer  |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | CYP1A1  |
| <b>Protein Names</b>     | Recommended name: Cytochrome P450 1A1 EC= 1.14.14.1 Alternative name(s): CYP1A1 Cytochrome P450 form 6 Cytochrome P450-C Cytochrome P450-P1   |
| <b>Expression Region</b> | 1-512aa   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length   |
| <b>Reconstitution</b>    | 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.

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