



Recombinant Human Cytochrome P450 1A1 (CYP1A1)

Product Code	CSB-YP006395HU
Relevance	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.
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.	P04798
Alias	CYP1A1Cytochrome P450 form 6Cytochrome P450-CCytochrome P450-P1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MLFPISMSATEFLLASVIFCLVFWVIRASRPQVPKGLKNPPGPWGWPLIGHMLT LGKNPHLALSRMSQQYGDVLQIRIGSTPVVVL SGLD TIRQALVRQGDDFKGRP DLYTFTLISNGQSMSFSPDSGPVWAARRRLAQNGLKSFASIADPASSTSCYLE EHVSKEAEVLISTLQELMAGPGHFNPYRYVVSVTNVICAICFGRRYDHNHQE LLSLVNLNNNFGEVVGSGNPADFIPLRYLPNPSLNAFKDLNEKFYSFMQKMKV EHYKTFEKGHIRDITDSLIEHCQEKQLDENANVQLSDEKIINIVLDFGAGFDTVT TAISWSLMYLVMNPRVQRKIQEELDTVIGRSRRPRLSDRSHLPYMEAFILETFR HSSFVPFTIPHSTTRDTS LKGFYIPKGRCVFVNQWQINHDQKLWVNPSEFLPE RFLTPDGAIDKVLSEKVIIFGMGKRKCIGETIARWEVFLFLAILLQRVEFSVPLGV KVDMTPIYGLTMKHACCEHFQMLRS
Research Area	Cancer
Source	Yeast
Target Names	CYP1A1
Protein Names	Recommended name: Cytochrome P450 1A1 EC= 1.14.14.1 Alternative name(s): CYP1A1 Cytochrome P450 form 6 Cytochrome P450-C Cytochrome P450-P1
Expression Region	1-512aa
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
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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