

Recombinant Full Length Human Cytochrome P450 3A4(Cyp3A4) Protein, His-Tagged

Cat. No. RFL25689HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Cytochrome P450 3A4(CYP3A4) Protein (P08684) (2-503aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-503)
Form	Lyophilized powder
AA Sequence	ALIPDLAMETWLLLA VSLVLLYLYGTHSHGLFKKLGIPGPTPLPFLGNILSYHKGFCMF DMECHKKYGKVWGFYDGGQPVLAITDPDMIKTVLVKECYSVFTNRRPFGPVGFMK SAISIAEDEEWKRLRSLLSPTFTSGKLEKEMVPIIAQYGDVLRNLRREAETGKPVTLK DVFGAYSMDVITSTSFGVNIDSLNNPQDPFVENTKKLLRFDLDPFFLSITVFPFLIPIL EVLNICVFPREVTNFLRKS VKRMKESRLEDTQKHRVDFLQLMIDSQNSKETESHKAL SDLELVAQSIIFIFAGYETTSSVLSFIMYELATHPDVQQKLQEEIDAVLPNKAPPTYDTV LQMEYLDMVVNETLRLFPIAMRLERVCKKDVEINGMFIPKGVVVMIPSYALHRDPKY WTEPEKFLPERFSKKNKDNIDPYIYTPFGSGPRNCIGMRFALNMKALIRVLQNFSE KPKKETQIPLKLSLGGLLQPEKPVVLKVESRDGTVSGA
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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.
GENE INFORMATION	
Gene Name	CYP3A4
Synonyms	CYP3A4; CYP3A3; Cytochrome P450 3A4; 1,4-cineole 2-exo-monooxygenase; 1,8-cineole 2-exo-monooxygenase; Albendazole monooxygenase; sulfoxide-forming; Albendazole sulfoxidase; CYP11A3; CYP11A4; Cholesterol 25-hydroxylase; Cytochrome P450 3A3; Cytochrome P
UniProt ID	P08684