

Recombinant Human CYP20A1 protein, His-tagged

Cat. No. CYP20A1-11767H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP20A1 protein(112-462 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	112-462 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	SGGGSVSENHMKREKLYENGVTDSLKSNFALLKLSEELLDKWLSYPETQHVPLSQH MLGFAMKSVTQMVMGSTFEDDQEVIRFQKNHGTWVSEIGKGFSLDKNMTRKK QYEDALMQLESVLRNIIKERKGRNFSQHIFIDSLVQGNLNDQQILED SMIFSLASCIITA KLCTWAICFLTSEEVQKKLYEEINQVFGNGPVTPEKIEQLRYCQHVLCEVTRAKLT PVSAQFQDIEGKIDRFIIPRETLVLYALGVVLQDPNTWSPHKFDPDRFDELVMKTF SSLGFSGTQCEPELRFAYMVTTVLLSVLVKRLHLLSVEGQVIETKYELVTSSREEAWI TVSKRY
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name CYP20A1 cytochrome P450, family 20, subfamily A, polypeptide 1 [Homo sapiens]

Official Symbol CYP20A1

Synonyms CYP20A1; cytochrome P450, family 20, subfamily A, polypeptide 1; cytochrome P450 20A1; CYP M; cytochrome P450 monooxygenase; CYP-M; MGC22229;

Gene ID 57404

mRNA Refseq NM_177538

Protein Refseq NP_803882

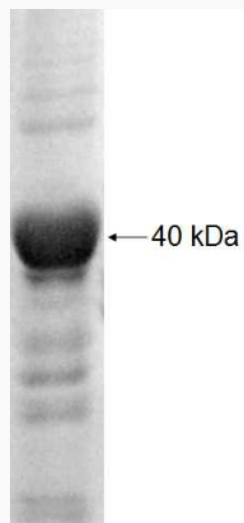
UniProt ID Q6UW02

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SDS-PAGE



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