

Recombinant Human CYP7A1 protein, His-tagged

Cat. No. CYP7A1-6743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP7A1 protein(P22680)(1-504aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-504aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	61.7 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MMTSLIWGIAIAACCCLWLILGIRRRQTGEPPLENGLIPYLGICALQFGANPLEFLRAN
 QRKHGHVFTCKLMGKYVHFITNPLSYHKVLCHGKYFDWKKFHFATSAKAFGHRSID
 PMDGNTTENINDTFIKTLQGHALNSLTESMMENLQRIMRPPVSSNSKTAAWVTEGM
 YSFCYRVMFEAGYLTIFGRDLTRRDTQKAHILNNLDNFKQFDKVFALVAGLPIHMFR
 TAHNAREKLAESLRHENLQKRESISELISLRMFLNDTLSTFDDLEKAKTHLVVLWASQ
 ANTIPATFWSLFQMIRNPEAMKAATEEVKRTLLENAGQKVSLEGNPICLSQAELNDLP
 VLDSIIKESLRLSSASLNIRTAKEDFTLHLEDGSYNIRKDDIALYPQLMHLDP E I Y P D P L
 TFKYDRYLDENGKTKTTFYCNGCLKKYYMPFGSGATICPGRLF A I H E I K Q F L I M L S Y
 FELELIEGQAKCPPLDQSRAGLGILPPLNDIEFKYKFHL

GENE INFORMATION

Gene Name [CYP7A1 cytochrome P450, family 7, subfamily A, polypeptide 1 \[Homo sapiens \]](#)

Official Symbol [CYP7A1](#)

Synonyms CYP7A1; cytochrome P450, family 7, subfamily A, polypeptide 1; CYP7, cytochrome P450, subfamily VIIA (cholesterol 7 alpha monooxygenase), polypeptide 1; cholesterol 7-alpha-monooxygenase; cholesterol 7 alpha monooxygenase; cytochrome P450 7A1; cholesterol 7-alpha-hydroxylase; cytochrome P450, subfamily VIIA polypeptide 1; CP7A; CYP7; CYPVII; MGC126826; MGC138389;

Gene ID [1581](#)

mRNA Refseq [NM_000780](#)

Protein Refseq [NP_000771](#)

MIM [118455](#)

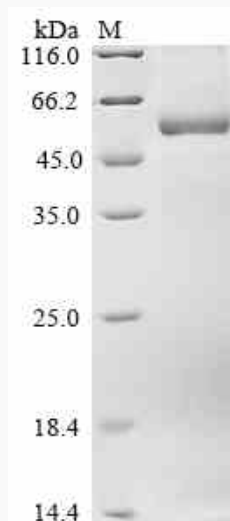
UniProt ID [P22680](#)

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SDS-PAGE



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