

## Recombinant Human CYP7A1 protein, His-tagged

Cat. No. CYP7A1-2872H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYP7A1 protein(188-387 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	188-387 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	FGRDLTRRDTQKAHILNNLDNFKQFDKVPALVAGLPIHMFRTAHNAREKLAESLRH ENLQKRESISELISLRMFLNDTLSTFDDLEKAKTHLVVLWASQANTIPATFWSLFQMI RNPEAMKAATEEVKRTLLENAGQKVSLEGNPICLSQAELNDLPVLDSIIKESLRLSSAS LNIRTAKEDFTLHLEDGSGYNIRKDDII
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## 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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