

Recombinant Human CYP7A1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CYP7A1 protein(188-387 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	188-387 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	FGRDLTRRDTQKAHILNNLDNFKQFDKVFALVAGLPIHMFRTAHNAREKLAESLRH ENLQKRESISELISLRMFLNDTLSTFDDLEKAKTHLVVLWASQANTIPATFWSLFQMI RNPEAMKAATEEVKRTLLENAGQKVSLEGNPICLSQAELNDLPVLDSIIKESLRLSSAS LNIRTAKEDFTLHLEDGSYNIRKDDII
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.

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

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

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

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

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

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

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