

Recombinant Human CYP7A1 Protein, GST-tagged

Cat. No. CYP7A1-2291H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP7A1 partial ORF (NP_000771.2, 179 a.a. - 277 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	179-277 a.a.
Description	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis. [provided by RefSeq, Feb 2010]
Molecular Mass	36.63 kDa
AA Sequence	MFEAGYLTIFGRDLTRRDTQKAHILNNLDNFKQFDKVFALVAGLPIHMFRTAHNAR EKLAESLRHENLQKRESISELISLRMFLNDTLSTFDDLEKAK
Applications	Enzyme-linked Immunoabsorbent Assay

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

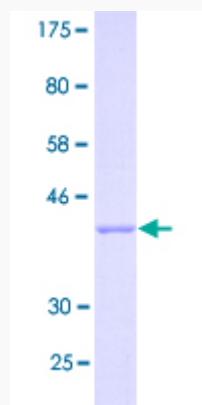
 45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue

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