

Recombinant Human CYP51A1 Protein, GST-tagged

Cat. No. CYP51A1-2290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP51A1 partial ORF (NP_000777, 410 a.a. - 509 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 protein participates in the synthesis of cholesterol by catalyzing the removal of the 14α-methyl group from lanosterol. Homologous genes are found in all three eukaryotic phyla, fungi, plants, and animals, suggesting that this is one of the oldest cytochrome P450 genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Molecular Mass	36.74 kDa
AA Sequence	SPTVNQRLKDSWVERLDFNPDRYLQDNPASGEKFAYVPFGAGRHRHCIGENFAYVQIKTIWSTMLRLYEFDLIDGYFPTVNYTTMIHTPENPVIRYKRRSK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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

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

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.

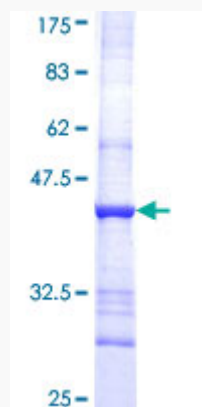
GENE INFORMATION

Gene Name	CYP51A1 cytochrome P450, family 51, subfamily A, polypeptide 1 [Homo sapiens]
Official Symbol	CYP51A1
Synonyms	CP51; CP51A_HUMAN; CYP51; CYP51A1; CYPLI; Cytochrome P450 51; Cytochrome P450 51A1; Cytochrome P450-14DM; Cytochrome P45014DM; Cytochrome P450LI; Lanosterol 14-alpha demethylase; LDM; P450 14DM; P450L1; Sterol 14-alpha demethylase;
Gene ID	1595
mRNA Refseq	NM_000786.3
Protein Refseq	NP_000777.1
MIM	601637
UniProt ID	Q16850

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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