

Recombinant Human CYP2A7 Protein, GST-tagged

Cat. No. CYP2A7-2259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP2A7 full-length ORF (NP_000755.2, 1 a.a. - 494 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 protein localizes to the endoplasmic reticulum; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008]
Molecular Mass	82.8 kDa
AA Sequence	MLASGLLLVALLACLTVMVLMVWQQRKSRGKLPPGPTPLPFIGNYLQLNTEHICDSI MKFSECYGPVFTIHLGPRRVVVLGCHDAVREALVDQAEFSGRGEQATFDWVFKG YGVAFSNGERAKQLLRFAIATLRDFGVGKRGIEERIQEESGFLIEAIRSTHGANIDPTF FLSRTVSNVISSIVFGDRFDYEDKEFLSLLSMMLGIFQFTSTSTGQLYEMFSSVMKHL PGPQQQAFKLLQGLEDFIAKKVEHNQRTLDPNSPQDFIDSFLIHMQEEEEKNPNTFEY LKNLMMSTLNLFIAGTETVSTTLRYGFLLLMKHPEVEAKVHEEIDRVIGKNRQPKFED RTKMPYMEAVIHEIQRFGDVIPMSLARRVKKDTKFRDFFLPKGTEVFPMLGSVLRDP

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	SFFSNPQDFNPQHFLDDKGQFKKSDAFVPFSIGKRNCFGEGGLARMELFLFFTTVMQ NFRLLKSSQSPKDIDVSPKHVVVFATIPRNYTMSFLPR
Applications	Enzyme-linked Immunoabsorbent Assay 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	CYP2A7 cytochrome P450, family 2, subfamily A, polypeptide 7 [Homo sapiens]
Official Symbol	CYP2A7
Synonyms	CYP2A7; cytochrome P450, family 2, subfamily A, polypeptide 7; cytochrome P450, subfamily IIA (phenobarbital inducible), polypeptide 7; cytochrome P450 2A7; CYP2A; cytochrome P450 IIA4; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 7; CPA7; CPAD; CYP2A7; P450-IIA4;
Gene ID	1549
mRNA Refseq	NM_000764
Protein Refseq	NP_000755

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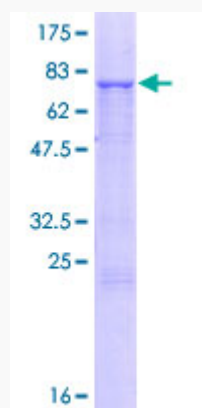
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MIM 608054

UniProt ID P20853

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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