

Recombinant Full Length Human CYP2A7 Protein, GST-tagged

Cat. No. CYP2A7-2365HF **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	In Vitro Cell Free System
ProteinLength	494 amino acids
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	MLASGLLLVALLACLTVMVLMSVWQQRKSRGKLPPGPTPLPFIGNYLQLNTEHICDSI MKFSECYGPVFTIHLGPRRVVVLCGHDAVREALVDQAEEFSGRGEQATFDWVFKG YGVAFSNGERAKQLLRFAIATLRDFGVGKRGIEERIQEESGFLIEAIRSTHGANIDPTF FLSRTVSNVISSIVFGDRFDYEDKEFLSLLSMMLGIFQFTSTSTGQLYEMFSSVMKHL PGPQQQAFKLLQGLEDFIAKKVEHNQRTLDPNSPQDFIDSFLIHMQEEEEKNPNTEFY LKNLMMSTLNLFIAGTETVSTTLRYGFLLLMKHPEVEAKVHEEIDRVIGKNRQPKFED

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RTKMPYMEAVIHEIQRFQDVIPMSLARRVKKDTKFRDFFLPKGTEVFPMLGSLRDP
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; CYP1IA7; P450-IIA4;

Gene ID

1549

mRNA Refseq

NM_000764

Protein Refseq

NP_000755

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MIM	608054
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UniProt ID	P20853
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