

Recombinant Human CYP2A13 Protein, GST-tagged

Cat. No. CYP2A13-2256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP2A13 full-length ORF (AA153001.1, 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. Although its endogenous substrate has not been determined, it is known to metabolize 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol, a major nitrosamine specific to tobacco. This gene 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	81.29 kDa
AA Sequence	MLASGLLLVTLLACLTVMVLMVSVWRQKSRGKLPPGPTPLPFIGNYLQLNTEQMYN SLMKISERYGPVFTIHLGPRRVVVLGHDVKEALVDQAEFSGRGEQATFDWLFK GYGVAFSNGERAKQLRRFSIATLRGFGVGKRGIEERIQQEAGFLIDALRGTHGANIDP TFFLSRTVSNVISSIVFGDRFDYEDKEFLSLLRMMLGSFQFTATSTGQLYEMFSSVM KHLPGPQQQAFKELQGLEDFIAKKVEHNQRTLDPNSPRDFIDSFLIRMQEEEEKNPNT EFYLNKLVMTTLNLFFAGTETVSTTLRYGFLLLMKHPEVEAKVHEEIDRVIGKNRQPK

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FEDRAKMPYTEAVIHEIQRFGLPMGLAHRVNKDTKFRDFFLPKGTEVFPMLGSLV
 RDPRFFSNPRDFNPQHFLDKKGQFKKSDAFVPFSIGKRYCFGEGLARMELFLFFTTI
 MQNFRFKSPQSPKIDVSPKHVGFATIPRNYTMSFLPR

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

CYP2A13 cytochrome P450, family 2, subfamily A, polypeptide 13 [Homo sapiens]

Official Symbol

CYP2A13

Synonyms

CYP2A13; cytochrome P450, family 2, subfamily A, polypeptide 13; cytochrome P450, subfamily IIA (phenobarbital inducible), polypeptide 13; cytochrome P450 2A13; CPAD; CYP2A; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 13; CYP11A13;

Gene ID

1553

mRNA Refseq

NM_000766

Protein Refseq

NP_000757

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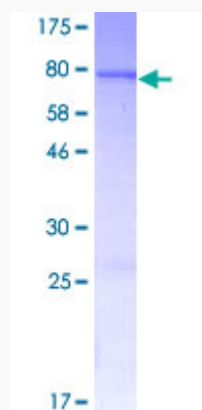
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MIM 608055

UniProt ID Q16696

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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