

Recombinant Full Length Human CYP2A13 Protein, GST-tagged

Cat. No. CYP2A13-2345HF **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	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. 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	MLASGLLLVTLACLTVMLMSVWRQRKSRGKLPPGPTPLPFIGNYLQLNTEQMYN SLMKISERYGPVFTIHLGPRRVVVLCHDAVKEALVDQAEEFSGRGEQATFDWLFK GYGVAFSNGERAKQLRRFSIATLRGFGVGKRGIEERIQEEAGFLIDALRGTHGANIDP TFFLSRTVSNVISSIVFGDRFDYEDKEFLSLLRMMLGSGFQFTATSTGQLYEMFSSVM

 Tel: 1-631-559-9269 1-516-512-3133

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

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

KHLPGPQQQAFKELQGLEDFAKKVEHNQRTLDPNSPRDFIDSFLIRMQEEEEKNPNT
 EFYLKNLVMTTNLNFFAGTETVSTTLRYGFLLLMKHPEVEAKVHEEIDRVIGKNRQPK
 FEDRAKMPYTEAVIHEIQRFGDMLPMGLAHRVKNKDTKFRDFFLPKGTEVFPMLGSLV
 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

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Protein Refseq	NP_000757
MIM	608055
UniProt ID	Q16696

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