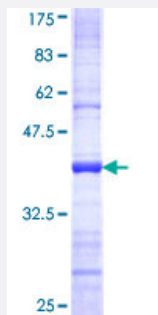


CYP2F1 (Human) Recombinant Protein (Q01)

Catalog # H00001572-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CYP2F1 partial ORF (NP_000765, 191 a.a. - 290 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DDERLLTIIRLINDNFQIMSSPWGELYDIFPSLLDWVPGPHQRIFQNFKCLRDIAHSVHDHQASLDP RSPRDFIQCFCLKMAEEKEDPLSHFHMDTLLM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CYP2F1

Entrez GeneID [1572](#)

GeneBank Accession# [NM_000774](#)

Protein Accession# [NP_000765](#)

Gene Name CYP2F1

Gene Alias C2F1, CYP2F, MGC126121

Gene Description cytochrome P450, family 2, subfamily F, polypeptide 1

Omim ID [124070](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 and is known to dehydrogenate 3-methylindole, an endogenous toxin derived from the fermentation of tryptophan, as well as xenobiotic substrates such as naphthalene and ethoxycoumarin. 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]

Other Designations cytochrome P450 2F1|cytochrome P450, subfamily II F, polypeptide 1|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Pulmonary Disease](#)