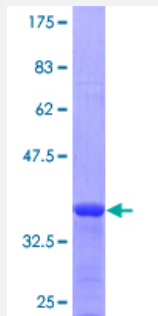


CYP4F3 (Human) Recombinant Protein (Q01)

Catalog # H00004051-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CYP4F3 partial ORF (NP_000887, 100 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RIFHPTYIKPVLFAPAANPKDKVFYSFLKPWLGDGLLLSAGEKWSRHRRLTPAFHFNILKPYMKIF NESVNIMHAKWQLLASEGSARLDMFEHISLM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (73); Rat (72)
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 — CYP4F3

Entrez GeneID [4051](#)

GeneBank Accession# [NM_000896](#)

Protein Accession# [NP_000887](#)

Gene Name CYP4F3

Gene Alias CPF3, CYP4F, LTB4H

Gene Description cytochrome P450, family 4, subfamily F, polypeptide 3

Omim ID [601270](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene, CYP4F3, 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. The enzyme starts the process of inactivating and degrading leukotriene B4, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F8, is approximately 18 kb away. [provided by RefSeq]

Other Designations cytochrome P-450|cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase)|cytochrome P450-LTB-omega|leukotriene B4 omega hydroxylase|leukotriene-B4 20-monoxygenase

Pathway

- [Arachidonic acid metabolism](#)

- [Metabolic pathways](#)