

Recombinant Human CYP4F3 Protein, GST-tagged

Cat. No. CYP4F3-2285H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4F3 partial ORF (NP_000887, 100 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Molecular Mass	36.63 kDa
AA Sequence	RIFHPTYIKPVLFPAAIVPKDKVFYSFLKPWLGDGLLLSAGEKWSRHRRLTPAFHF NILKPYMKIFNESVNIMHAKWQLLASEGSARLDMFEHISLM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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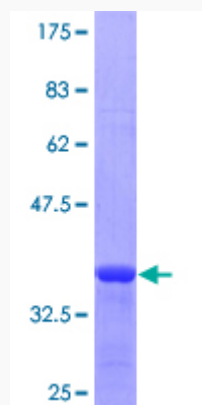
 45-1 Ramsey Road, Shirley, NY 11967, USA

	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	CYP4F3 cytochrome P450, family 4, subfamily F, polypeptide 3 [Homo sapiens]
Official Symbol	CYP4F3
Synonyms	CYP4F3; cytochrome P450, family 4, subfamily F, polypeptide 3; cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase) , LTB4H; leukotriene-B(4) omega-hydroxylase 2; CYP4F; CYP4F3; cytochrome P-450; cytochrome P450 4F3; cytochrome P450-LTB-omega; leukotriene-B4 20-monooxygenase; leukotriene B4 omega hydroxylase; leukotriene-B(4) 20-monooxygenase 2; cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase); CPF3; LTB4H;
Gene ID	4051
mRNA Refseq	NM_000896
Protein Refseq	NP_000887
MIM	601270
UniProt ID	Q08477

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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