Recombinant Human CYP4F8 Protein, GST-tagged

Cat. No. CYP4F8-2286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4F8 full-length ORF (BAG37237.1, 1 a.a. - 520 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene, CYP4F8, 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 functions as a 19-hydroxylase of prostaglandins in seminal vesicles. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F3, is approximately 18 kb away. [provided by RefSeq, Jul 2008]
Molecular Mass	83.6 kDa
AA Sequence	MSLLSLSWLGLRPVAASPWLLLLVVGASWLLARILAWTYAFYHNGRRLRCFPQPRK QNWFLGHLGLVTPTEEGLRVLTQLVATYPQGFVRWLGPITPIINLCHPDIARSVINTS DAITDKDIVFYKTLKPWLGDGLLLSVGDKWRHHRRLLMPAFHFNILKPYIKIFSKSANI MHAKWQRLAMEGSTCLDVFEHISLMTLDSLQKCIFSFDSNCQEKPSEYITAIMELSAL VVKRNNQFFRYKDFLYFLTPCGRRFHRACRLVHDFTDAVIQERRRTLTSQGVDDFL QAKAKSKTLDFIDVLLLSEDKNGKELSDEDIRAEADTFMFGGHDTTASGLSWVLCNL ARHPEYQERCRQEVQELLKDREPKEIEWDDLAQLPFLTMCLKESLRSHPPIPTFARG

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	CTQDVVLPDSRVIPKGNVCNINIFAIHHNPSVWPDPEVYDPFRFDPENAQKRSPMAF IPFSAGPRNCIGQKFAMAEMKVVLALTLLRFRILPDHREPRRTPEIVLRAEDGLWLRV EPLG
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	CYP4F8 cytochrome P450, family 4, subfamily F, polypeptide 8 [Homo sapiens]
Official Symbol	CYP4F8
Synonyms	CYP4F8; cytochrome P450, family 4, subfamily F, polypeptide 8; cytochrome P450, subfamily IVF, polypeptide 8; cytochrome P450 4F8; microsomal monooxygenase; flavoprotein-linked monooxygenase; CPF8; CYPIVF8;
Gene ID	11283
mRNA Refseq	NM_007253
Protein Refseq	NP_009184

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MIM	611545
UniProt ID	P98187

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