

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 DAITDKDIVFYKTLKPWLGDGLLLSVGDKWRHHRLLMPAFHFNILKPYIKIFSKSANI MHAKWQRLAMEGSTCLDVFEHISLMTLDSLQKCIFSFSNCQEKPSEYITAIMELSAL VVKRNNQFFRYKDFLYFLTPCGRRFHRACRLVHDFTDAVIQERRRTLTSQGVDDFL QAKAKSKTLDFIDVLLLSSEDKNGKELSDIEDIRAEADTFMFGGHDTTASGLSWVLCNL ARHPEYQERCRCQEVQELLKDREPKEIEWDDLAQLPFLTMCLKESLRSHPPIPTFARG

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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; CYP4F8;

Gene ID

11283

mRNA Refseq

NM_007253

Protein Refseq

NP_009184

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MIM	611545
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UniProt ID	P98187
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