

Recombinant Full Length Human CYP4V2 Protein, GST-tagged

Cat. No. CYP4V2-2462HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4V2 full-length ORF (NP_997235.2, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	525 amino acids
Description	This gene encodes a member of the cytochrome P450 hemethiolate protein superfamily which are involved in oxidizing various substrates in the metabolic pathway. It is implicated in the metabolism of fatty acid precursors into n-3 polyunsaturated fatty acids. Mutations in this gene result in Bietti crystalline corneoretinal dystrophy. [provided by RefSeq, Jul 2008]
Molecular Mass	87.1 kDa
AA Sequence	MAGLWLGLVWQKLLLWGAASALSLAGASLVLSLLQRVASYARKWQQMRPIPTVAR AYPLVGHALLMKPDGREFFQQIIIEYTEEYRHMPLKLLWVGPVPMVALYNAENVEVIL TSSKQIDKSSMYKFLEPWLGGLLTSTGNKWSRRKMLTPTFHFTILEDFLDIMNEQ ANILVKKLEKHINQEAFNCFYITLCALDIICETAMGKNIGAQSNDSEYVRAVYRMSE MIFRRIKMPWLWDLWYLMFKEGWEHKKSLKILHTFTNSVIAERANEMNANEDCRG DGRGSAPSKNKRRAFLDLLSVTDDEGNRLSHEDIREEVDTFMFEGHDTTAAAINW SLYLLGSNPEVQKKVDHELDDVFGKSDRPATVEDLKKLRYLECVIKETLRLFPSVPLF ARVSEDCEVAGYRVLKGTEAVIIPYALHRDPYFPNPEEFQPERFFPENAQGRHPY

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AYVPFSAGPRNCIGQKFAVMEEKTILSCILRHFHWIESNQKREELGLEGLILRPSNGI
WIKLKRRNADER

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

CYP4V2 cytochrome P450, family 4, subfamily V, polypeptide 2 [Homo sapiens]

Official Symbol

CYP4V2

Synonyms

CYP4V2; cytochrome P450, family 4, subfamily V, polypeptide 2; cytochrome P450 4V2; CYP4AH1; BCD; FLJ18432; MGC43534;

Gene ID

285440

mRNA Refseq

NM_207352

Protein Refseq

NP_997235

MIM

608614

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UniProt ID

Q6ZWL3

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