

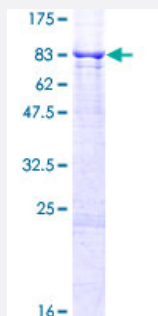
Full-Length

CYP4V2 (Human) Recombinant Protein (P01)

Catalog # H00285440-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CYP4V2 full-length ORF (NP_997235.2, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGLWLGLVWQKLLLWGAASALSLAGASLVLSLLQRVASYARKWQQMRPIPTVARAYPLVGHAL
LMKPDGREFFQQIIYEYEEYRHMPLLKLWGPVPMVALYNAENVEVILTSSKQIDKSSMYKFLEPW
LGLGLLTSTGNKWSRRKMLTPTFHFTILEDFLDIMNEQANILVKKLEKHINQEAFNCFYITLCALDII
CETAMGKNIGAQSNDSEYVRAVYRMSEMFRRKMPWLWDLWYLMFKEGWEHKKSLKILHTFT
NSVIAERANEMNANEDCRGDGRGSAPSKNKRRFLDLLSVTDDEGNRLSHEDIREVDTFMF
GHDTAAAINWSLYLLGSNPEVQKKVDHELDDVFGKSDRPATVEDLKKLRYLECVIKETLRLFPS
VPLFARSVSEDCEVAGYRVLKGTEAVIIPYALHRDPRYFPNPEEFQPERFFPENAQGRHPYAYVP
FSAGPRNCIGQKFAVMEEKTILSCILRHFWIESNQKREELGLEGLILRPSNGWIKLKRRNADER

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.1

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 — CYP4V2

Entrez GeneID[285440](#)**GeneBank Accession#**[NM_207352.2](#)**Protein Accession#**[NP_997235.2](#)**Gene Name**

CYP4V2

Gene Alias

BCD, CYP4AH1, FLJ18432, MGC43534

Gene Description

cytochrome P450, family 4, subfamily V, polypeptide 2

Omim ID[210370 608614](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

cytochrome P450 4V2|cytochrome P450, family 4, subfamily v, polypeptide 2|retina CYP4V2

Disease

- [Disease Progression](#)

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)
- [Venous Thrombosis](#)