

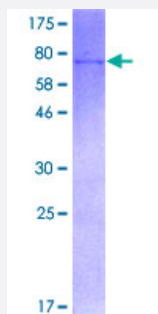
Full-Length

CYP39A1 (Human) Recombinant Protein (P01)

Catalog # H00051302-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CYP39A1 full-length ORF (AAH10358, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MELISPTVIIILGCLALFLLLQPKNLRRPPCIKGWIPWIGVGFEFGKAPLEFIEKARIKYGPIFTVFAMG
NRMTFVTEEEGINVFLKSKKVDLAVQNVYRTASIPKNVFLALHEKLYMLKGKMGTVNLHQFTG
QLTEELHEQLENLGTHTMDLNNLVRHLLYPVTVNMLFNKSLFSTNKKKIKEFHQYFQVYDEDFEY
GSQLPECLLRNWSKSKKWFLFELFEKNIPDIKACKSAKDNSMTLLQATLDIVETETSKENSPNYGLL
LLWASLSNAVPVAFWTLAHVLSHPDIHKAIMEGISSVFGKAGKDKIKVSEDDLENLLLIKWCVLETI
RLKAPGVITRKVVKPVEILNYIIPSGDLLMLSPFWLHRNPKYFPEPELFPKPERWKKANLEKHSFLDC
FMAFGSGKFQCPARWFALLEVQMCIIILYKYDCSLDPLPKQSYLHLVGVPQPEGQCRIEYKQRI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.33

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 — CYP39A1

Entrez GeneID [51302](#)

GeneBank Accession# [BC010358](#)

Protein Accession# [AAH10358](#)

Gene Name CYP39A1

Gene Alias -

Gene Description cytochrome P450, family 39, subfamily A, polypeptide 1

Omim ID [605994](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene 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 endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. [provided by RefSeq]

Other Designations OTTHUMP00000016547|cytochrome P450, subfamily XXXIX (oxysterol 7 alpha-hydroxylase), polypeptide 1|oxysterol 7 alpha-hydroxylase

Pathway

- [Primary bile acid biosynthesis](#)

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Kidney Failure](#)