

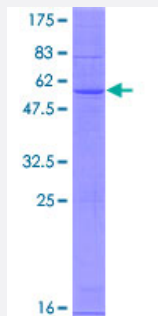
Full-Length

CH25H (Human) Recombinant Protein (P01)

Catalog # H00009023-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CH25H full-length ORF (NP_003947.1, 1 a.a. - 272 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSITTYVGFCPLPFVVDILCSWV
PALRRYKIHPDFSPSAQQLLPCLGQTLYQHVMFVFPVTLHWRSPALLPHEAPELLLLLHHILFCL
LLFDMEFFVWHLHHKVPWLYRTFHKVHHQNSSSFALATQYMSVWELFSLGFFDMMNVTLLGC
HPLTTLTFHVVNWLSVEDHSGYNFPWSTHRLVPFGWYGGVVHDLHHSFNCNFAPYFTHWDKI
LGLRTASVPAR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.1

Interspecies Antigen Sequence

Mouse (78); Rat (81)

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 — CH25H

Entrez GeneID[9023](#)**GeneBank Accession#**[NM_003956.3](#)**Protein Accession#**[NP_003947.1](#)**Gene Name**

CH25H

Gene Alias

C25H

Gene Description

cholesterol 25-hydroxylase

Omim ID[604551](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This is an intronless gene that is involved in cholesterol and lipid metabolism. The encoded protein is a membrane protein and contains clusters of histidine residues essential for catalytic activity. Unlike most other sterol hydroxylases, this enzyme is a member of a small family of enzymes that utilize diiron cofactors to catalyze the hydroxylation of hydrophobic substrates. [provided by RefSeq]

Other Designations

OTTHUMP00000020057

Pathway

- [Primary bile acid biosynthesis](#)

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)