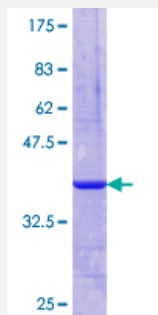


# CH25H (Human) Recombinant Protein (Q03)

Catalog # H00009023-Q03

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CH25H partial ORF ( AAH17843.1, 142 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	WHLLHHKVPWLYRTFHKVHHQNSSSFALATQYMSVWELFSLGFFDMMNVTLTGCHPLTTLTFHV VNIWLSVEDHSGYNFPWSTHRLVPFGWYGGVVHDLHHSFN
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.29
<b>Interspecies Antigen Sequence</b>	Mouse (78); Rat (81)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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# [BC017843](#)

Protein Accession# [AAH17843.1](#)

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](#)