

Recombinant Full Length Human CH25H Protein, GST-tagged

Cat. No. CH25H-3305HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CH25H full-length ORF (NP_003947.1, 1 a.a. - 272 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	272 amino acids
Description	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, Jul 2008]
Molecular Mass	58.1 kDa
AA Sequence	MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSITTYVGFCCLPFVV LDILCSWVPALRRYKIHPDFSPSAQQLLPCLGQTLYQHVMFVFPVTLLHWARSPALL PHEAPELLLLLHHILFCLLLFDMEFFVWHLHLLHHKVPWLYRTFHKVHHQNSSSFALAT QYMSVWELFSLGFFDMMNVTLTGCHPLTTLTFHVVNIWLSVEDHSGYNFPWSTHRL VPFGWYGGVVHDLHHSFNCNFAPYFTHWDKILGTLRTASVPAR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production
Protein Array

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 CH25H cholesterol 25-hydroxylase [Homo sapiens]

Official Symbol CH25H

Synonyms CH25H; cholesterol 25-hydroxylase; h25OH; cholesterol 25-monooxygenase; C25H;

Gene ID 9023

mRNA Refseq NM_003956

Protein Refseq NP_003947

MIM 604551

UniProt ID O95992

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