Recombinant Full Length Human CH25H Protein, C-Flag-tagged

Cat. No. CH25H-1709HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CH25H Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.6 kDa
AA Sequence	MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSITTYVGFCLPFVV LDILCSWVPALRR YKIHPDFSPSAQQLLPCLGQTLYQHVMFVFPVTLLHWARSPALL PHEAPELLLLLHHILFCLLLFDMEFF VWHLLHHKVPWLYRTFHKVHHQNSSSFALAT QYMSVWELFSLGFFDMMNVTLLGCHPLTTLTFHVVNIWL SVEDHSGYNFPWSTHRLVPFGWYGGVVHHDLHHSHFNCNFAPYFTHWDKILGTLR TASVPARTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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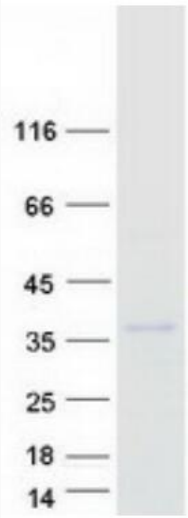
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Primary bile acid biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	CH25H cholesterol 25-hydroxylase [Homo sapiens (human)]
Official Symbol	CH25H
Synonyms	C25H
Gene ID	9023
mRNA Refseq	NM_003956.4
Protein Refseq	NP_003947.1

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MIM	604551
UniProt ID	O95992



Coomassie blue staining of purified CH25H protein.

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