Recombinant Human CH25H Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CH25H-4169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CH25H MS Standard C13 and N15-labeled recombinant protein (NP_003947) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.7 kDa
AA Sequence	MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSITTYVGFCLPFVV LDILCSWVPALRRYKIHPDFSPSAQQLLPCLGQTLYQHVMFVFPVTLLHWARSPALL PHEAPELLLLLHHILFCLLLFDMEFFVWHLLHHKVPWLYRTFHKVHHQNSSSFALAT QYMSVWELFSLGFFDMMNVTLLGCHPLTTLTFHVVNIWLSVEDHSGYNFPWSTHRL VPFGWYGGVVHHDLHHSHFNCNFAPYFTHWDKILGTLRTASVPARTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

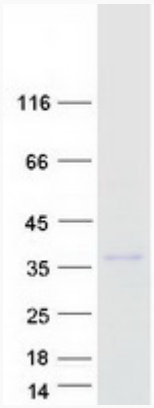
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CH25H cholesterol 25-hydroxylase [Homo sapiens (human)]
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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SDS-PAGE	

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