

## Product datasheet for PH304716

### CH25H (NM\_003956) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CH25H MS Standard C13 and N15-labeled recombinant protein (NP_003947)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204716
Predicted MW:	31.7 kDa
Protein Sequence:	>RC204716 protein sequence Red=Cloning site Green=Tags(s)  MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSIITTYVGFCLPFVVDILCSWVPALRR YKIHPDFSPSAQQLLPCLGQTLYQHVMFVFPVTLHWHARSPALLPHEAPELLLLHHILFLLLLFDFMEFF VWHLHHKVPWLYRTFHKVHHQNSSSFALATQYMSVWELFSLGFFDMMNVTLGCHPLTTLTFHVVNIWL SVEDHSGYNFPWSTHRLVPFGWYGGVVHDLHSHFNCNFAPYFTHWDKILGTLRTASVPAR  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003947</a>
RefSeq Size:	1378
RefSeq ORF:	816
Synonyms:	C25H
Locus ID:	9023
UniProt ID:	<a href="#">O95992</a>



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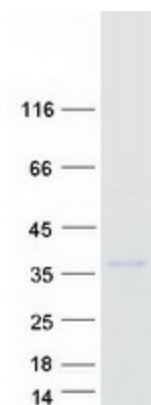
Cytogenetics: 10q23.31

**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, Jul 2008]

**Protein Families:** Transmembrane

**Protein Pathways:** Primary bile acid biosynthesis

### Product images:



Coomassie blue staining of purified CH25H protein (Cat# [TP304716]). The protein was produced from HEK293T cells transfected with CH25H cDNA clone (Cat# [RC204716]) using MegaTran 2.0 (Cat# [TT210002]).