

Product datasheet for **SC125616**

CH25H (NM_003956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CH25H (NM_003956) Human Untagged Clone
Tag:	Tag Free
Symbol:	CH25H
Synonyms:	C25H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_003956 edited</p> <pre> AGCTGCCTTGACAGCCTCGCAATGAGCTGCCACAACCTGCTCCGACCCCCAGTCCCTTTG CAGCTCCGGGCAGCTGTTCTCTGCAGCCCCCTGCGGACCACCTGAGGAGCTGGGAGGCCCT CCTACAGTCGCCCTTCTTCCCGGTCATCTTCTCCATCACCACATACGTGGGCTTTTGCCT GCCCTTCGTGGTCTGGATATCCTGTGCTCCTGGGTGCCCGCCCTGCGGCGCTACAAGAT CCACCCTGACTTCTCGCCATCCGCGCAGCAGCTGCTACCTTGCCTGGGCGAGACCCTCTA CCAGCATGTGATGTTTGTGTTCCCGTGACGCTGCTGCATTGGGCCCGCAGCCCGGCCCT CCTGCCCCACGAAGCTCCCGAGCTGCTCCTGCTGCTGCACCACATCCTGTTCTGCCTGCT ACTCTTCGACATGGAGTCTTCGTGTGGCACCTGCTGCACCACAAGGTGCCCTGGCTGTA CCGCACCTTCCACAAGGTGCACCACCAGAAGTCTGCTCCTCGTTCGCGCTGGCAACGCAGTA TATGAGCGTCTGGGAAGTGTTCCTTTGGGCTTCTTCGACATGATGAACGTCACACTGCT CGGGTGCCACCCGCTCACCACCCTGACCTTCCAGTGGTCAACATCTGGCTTTCGTTGGA GGACCACTCCGGCTACAACCTTCCCTTGGTCCACTCACAGACTGGTGCCCTTCGGGTGGTA CGGGGGTGTGGTGCACCACGACCTGCATCACTCTCACTTAACTGCAACTTCGCTCCGTA CTTTACACACTGGGACAAAATACTGGGAACGCTGCGGACTGCATCTGTCCCAGCGCGGTG ATGTGGCTGCGGTGGGTGCCCTAAGACTCGGGACTGCTGTGCCTTTCACACTTGAATGA AGAGAAACACCTGAGCTATATATTTTTTAAAGCAACTAATTATTGCTTTATGTTTATC TATGAAAACCATAGATAAAATCTGATGCATTTTTGTAATCTGACAAAGTAATTTACATAC TGTTTGTGTATCAATACAATTTTGTGTTCTTGGTATTCTTAGTCTAGCTCACCTCAATAG CCTTGAATCCTGCATATGAATTAGACATTCATCACTGGCATATTTAGAATATCTCTAAAA GGACTTGTGTGTAAGAAATTTTCTATGTTTCAAAGTGTCTAAAACTGGCTAAA AGAATGTATTTTGTGGATGGTGTGACTTCTGACTCTAAAAGCAATCAAACATGTTTCT GCTGGACAGTGACCAAGAATTATAGTACCTTCTTATTTTTTTTATAGAAGTGTATTTT ATTTTGAAGAAATGTTATTCGTGCTTTAAAAAGGAAAAAAAACCATGAATCAAATAAAA GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003956 unedited GTTCAGCGATATTTGTNAATACGCACTGCACTATAGGGGCGGGCCGCGCAATTCGCCAT TACGGCCGGGAGCTGCCTTGACAGCCTCGCAGGAGCTGCCACAATGCTCCGACCCCC AGGTCCTTTGCAGCTCCGGGCAGCTGTTCTGCAGCCCCCTCTGGGACCACCTGAGGAGCT GGGAGGCCCTCTACAGTCGCCCTTCTCCCGGTATCTTCTCCATCACCACATACGTGG GCTTTTGCCTGCGCGGCTGGTCTGGATATCCTGTGCTCCTGGTGCCCGCCCTGCGGC GCTACAAGATCCACCCTGACTTCTGCCATCCGCGCAGCAGCTGTACCTTGCCTGGGGC AGACCCTTACCAGCATGTGATGTTTGTGTTCCCGTGACGCTGCTGCATTGGGCCCGCA GCCCGGCCCTCCTGCCACGAAGCTCCCGAGCTGCTCCTGCTGTCACCACATCCTGT TCTGCCTGCTACTCTTCGACATGGAGTTCTTCGTGTGGCACCTGCTGCACCACAAGGTGC CCTGGCTGTACCGCACCTTCCACAAGGTGCACCACCAGAAGCTCGTCTCGTTTCGCGCTGG CAACGCAGTATATGAGCGTCTGGGGACTGTTTTCTTTGGGCTTCTTCGACATGATGAACG TCACACTGGGTCGGGTGCGACCCGCTCACCACCCTGAGCTTCCACGTGGTCAACATCTGG GCTTTCCGCTGGAGGACCACTTCCGGCTACCAACTTCCCTTTGGGCCACTCACAGGACTG GTGGCCCTTCGGTGGGGGACGGGGGTGGTGGTGGCACCCACAACCCTGGGTCAACTCT CACTTTTAACTGGCAACTTTCGTTCCCGTACTTTTAAACCCTGGGGACCAATAACTGG GGAAACCGTTTCGGAACTGGAATTCTGTTCCCCACACCCCGTGAATGTTGGCTCTCCCG GGGGGTGGCCCTCTAAACATCTCGGGACTGGCGTGGCGGCTTCCACACTTGAG
Restriction Sites:	Please inquire
ACCN:	NM_003956
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003956.2 , NP_003947.1
RefSeq Size:	1411 bp
RefSeq ORF:	819 bp
Locus ID:	9023
UniProt ID:	O95992
Cytogenetics:	10q23.31
Protein Families:	Transmembrane
Protein Pathways:	Primary bile acid biosynthesis

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, Jul 2008]