

Product datasheet for SC318813

HCCS (NM_001122608) Human Untagged Clone

Product data:

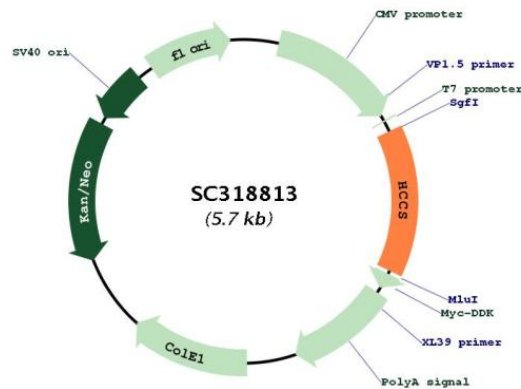
Product Type:	Expression Plasmids
Product Name:	HCCS (NM_001122608) Human Untagged Clone
Tag:	Tag Free
Symbol:	HCCS
Synonyms:	CCHL; LSDMCA1; MCOPS7; MLS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318813 representing NM_001122608. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTTTGTCTCCATCTGCTCCTGCTGTTGCAGTTCAGGCCTCAAATGCTTCAGCGTCCCCACCTTCA
GGATGCCCGATGCATGAAGGGAAAATGAAAGGCTGTCCAGTGAATACAGAGCCATCTGGCCCAACCTGT
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GCTCCAGATCAGCCATTTGCATTGTCTACTGTCAGAGAAGAGTCCATCCATTCCGAGAGCAGATTCAGAG
AAAAAGTGGGTTTACCCTTCTGAGCAGATGTTCTGGAATGCAATGTTAAAGAAAGGTGGAAGTGAAG
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TGAAGGAGATTTTGAAGTGGGAAGCCCTTCATGCTGCAGAGTGTCCCTTGTGGTCCATCATTGATCCGG
TTTGGAGGAAAGCAAAAGATATTCACCAAGGGCACGAATTCGTTTCCCTGGATGGGGTATGAGTTGCCCT
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GGTGGTGAAGTCAACAAGGACTACCAGTTCACCATCCTGGACGTCCGTCTGCCTTAGATTCACCTTTCG
GCAGTATGGGACAGAATGAAAGTCGCTTGGTGGCGTTGGACCTCGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001122608

Insert Size: 807 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001122608.2](https://www.ncbi.nlm.nih.gov/nuccore/NM_001122608.2)

RefSeq Size: 2307 bp

RefSeq ORF:	807 bp
Locus ID:	3052
UniProt ID:	<u>P53701</u>
Cytogenetics:	Xp22.2
Protein Pathways:	Porphyrin and chlorophyll metabolism
MW:	30.6 kDa
Gene Summary:	<p>The protein encoded by this gene is an enzyme that covalently links a heme group to the apoprotein of cytochrome c. Defects in this gene are a cause of microphthalmia syndromic type 7 (MCOPS7). Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>