

Product datasheet for **SC116944**

CCS (NM_005125) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCS (NM_005125) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116944 sequence for NM_005125 edited (data generated by NextGen Sequencing)

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ATGGCTTCGGATTCTGGGGAACCGGGGACCCCTCTGCACGTTGGAGTTCGCGGTGCAGATG
ACCTGTCAGAGCTGTGTGGACGCGGTGCGCAAATCCCTGCAAGGGGTGGCAGGTGTCCAG
GATGTGGAGGTGCACTTGGAGGACCAGATGGTCTTGGTACACACCACTCTACCCAGCCAG
GAGGTGCAGGCTCTCTGGAAGGCACGGGGCGGCAGGCGGTAACAAGGCATGGGCAGC
GGCCAGTTGCAGAATCTGGGGCAGCAGTGGCCATCCTGGGGGGCCTGGCACCGTGCAG
GGGGTGGTGCCTTCTACAGCTGACCCCTGAGCGCTGCCTCATCGAGGGAATATTGAC
GGCCTGGAGCCTGGGCTGCATGGACTCCACGTCCATCAGTACGGGGACCTTACAAACAAC
TGCAACAGCTGTGGGAATCACTTTAACCTGATGGAGCATCTCATGGGGCCCCCAGGAC
TCTGACCGGCACCGGGAGACCTGGGCAATGTCCGTGCTGATGCTGACGGCCCGCCATC
TTCAGAATGGAGGATGAGCAGCTGAAGGTGTGGGATGTGATTGGCCGAGCCTGATTATT
GATGAGGGAGAAGATGACCTGGGCCGGGAGGCCATCCCTTATCCAAGATCACAGGGAAC
TCCGGGGAGAGGTTGGCCTGTGGCATATTGCACGCTCCGCTGGCCTTTTCCAGAACCC
AAGCAGATCTGCTCTTGCATGGCCTCACCATCTGGGAGGAGCGAGGCCGGCCCATCGCT
GGCAAGGGCCGAAAGGAGTCAGCGCAGCCCTGCCACCTTTGA
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Clone variation with respect to NM_005125.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005125 unedited</p> <pre>GGTGCATTTTTGTATACGACTACTATAGGGCGGCCGCGATTTCGGCACGAGGCGCTGGTT GGTGCTCCTGCGCCGAGGAGTTCTGCGTCTCGGGGTGGTGACTGGGTCCAGAATGGCTT CGGATTCGGGGAACACAGGGGACCCTCTGCCGTTGGAGTTCGCGGTGCAGATGACCTGTCA GAGCTGTGTGGACGCGGTGCGCAAATCCCTGCAAGGGGTGGCAGGTGTCCAGGATGTGGA GGTGCACCTGGAGACCAGATGGTCTTGGTACACACCACTCTACCCAGCCAGGAGGTGCA GGCTCTCCTGGAAGGCACGGGGCGGCAGGCGGTACTCAAGGGCATGGGCAGCGGCCAGTT GCAGAATCTGGGGCAGCAGTGGCCATCCTGGGGGGCCTGGCACCGTGCAGGGGTGGT GGCTTCTTACAGCTGACCCCTGAGCGCTGCCTCATCGAGGGAATATTGACGGCCTGGA GCCTGGGCTGCATGGACTCCACGTCCATCAGTACGGGGACCTTACAAACAAGTCAACAG CTGTGGGAATCACTTTAACCTGATGGAGCATCTCATGGGGGCCCCAGGACTCTGACCG GCACCGCGGAGACCTGGCAATGTCCGTGCTGATGCTGACGGCCGCGCCATCTTCAGAAT GGAGGATGAGCAGCTGAAGGTGTGGGATGTGATTGGCCGACGCTGATTATTGATGANGG AGAAGATGACCTGGGCCGGGAGGCCATCCCTTATCCAGATCACAGGGAATCCGGGGA GAGGGTTGCCCTGTGGCATCATTGCACGCTCCGCTGGCCTTTTCCAGAACCCAGCAGAT CTGTTCTTGCATGGCCTCACCTCTGGGAGGACCGAGGCCGCCATCGCTTGCCAGGCC CCN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005125 unedited</p> <pre>CGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTCCCAAACGAAAATAAACTTTCATT TGCCAAGGGAACACCACAGCAGCTCCTGCCCTGTACTGAGCTCTCAAAGACTGGGCAGG CAAAGTCCCTCTGGCCCCCTCTGGAAGTGGAAAGTGCTCGCCCTGGAGGACAGCAACAGA GCCAAGGTGAGGTCTGCTCAAAGGTGGCAGGGGGCTGCGCTGACTCCTTTTCGGCCCTT GCCAGCATGGGCCGGCCTCGCTCCTCCAGATGGTGGAGCCATCGCAAGAGCAGATCTG CTTGGGGTTCTGGAAGGCCAGCGGAGCGTGAATGATGCCACAGGCCAACCTCTCCCC GGAGTTCCCTGTGATCTTGGATAAGGGATGGCCTCCCCGGCCAGGTCATCTTCTCCCTC ATCAATAATCAGGCTGCGGCCAATCACATCCCACACCTTCAGCTGCTCATCCTCCATTCT GAAGATGGCGCGGCCGTGAGCATCAGCACGGACATTGCCAGGTCTCCGCGGTGCCGGTC AGAGTCTGNGGGCCCCATGAGATGCTCCATCAGGGTTAAAGTGATTCCCACAGCTGTT GCAGTTGTTTGAAGTCCCGTACTGATGGACGTGGAGTCCATGCAGCCAGGCTCCAG GCCGTC AATAGTCCCTCGATGAGGCAGCGCTCAGGNGTCAGCTGTANGAAGCGCACAC CCCCTGCACGGTCCAGGCCCCCCCAGATGCCACTGCTGCCCCAGATTCTGCACTGGCCG CTGCCATGCCCTTGAGTACGCCTGCCCGCCGTGCCTTNCAGAGAGCTGCACTNCTGGCT GGTAAAGTGTGTGTACCAGACATCTGTTCTCCAGTGCACATNACATCTGNACCTGCCAC CCTGCAGGGATTGCCCGTCCACATCTTGAAGTATTTGCCCGGACTCACGGCAAAGTCC CTGGTCCGATCGACCATTTGACATCN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005125
Insert Size:	1110 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).
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_005125.1 , NP_005116.1
RefSeq Size:	1068 bp
RefSeq ORF:	825 bp
Locus ID:	9973
UniProt ID:	O14618
Cytogenetics:	11q13.2
Domains:	sodcu, HMA
Protein Families:	Druggable Genome
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)
Gene Summary:	Copper chaperone for superoxide dismutase specifically delivers Cu to copper/zinc superoxide dismutase and may activate copper/zinc superoxide dismutase through direct insertion of the Cu cofactor. [provided by RefSeq, Jul 2008]