

Product datasheet for **RR202926**

Ccs (NM_053425) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccs (NM_053425) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202926 representing NM_053425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCGAAGTCGGGGACGGTGGAACTATGTGTGCGTTGGAGTTTACAGTACAGATGAGTTGTCAGA
 GCTGCGTGGACGCTGTGCACAAGACCTGAAAGGGCGGCGGGTGTCCAGAATGTGGAAGTTCAGTTGGA
 GAACCAGATGGTGTGGTGCAGACCACTTTGCCAGCCAGGAGGTGCAAGCGCTCCTGGAAAGCACAGGG
 AGGCAGGCTGTACTCAAGGGCATGGGCAGCAGCCAATAAGAATCTGGGAGCAGCAGTGCCATTATGG
 AGGGCAGTGGCACCCTACAGGGGTGGTCCGCTTCCTACAGCTGCCTCTGAGCTCGCTGATTGAGGG
 AACCATCGACGGCTGGAGCCTGGGCTGCATGGGCTTCATGTCCATCAGTATGGGGACCTTACCAAGGAC
 TGCAGCAGCTGTGGGGACCATTTTAACCCTGATGGAGCATCTCATGGGGTCTCAGGACACTGATCGGC
 ACCGGGGAGATCTGGGAATGTTACGCTGAAGCTAGTGGCCGAGCTACCTCCGGATAGAGGATAAACA
 GCTGAAGGTGTGGGATGTGATTGGCCGAGTCTGGTTGTTGATGAGGGAGAAGATGACCTGGGCCGGGA
 GGCCATCCCTTATCCAAGGTCACAGGAATTCTGGGAAGAGGTTGGCCTGTGGCATATTGCACGCTCTG
 CTGGCCTTTTCCAGAATCCCAAGCAGATCTGCTCCTGTGATGGGCTCACTATCTGGGAGGAGCGAGGCCG
 GCCATTGCTGGCCAAGGCCGAAAGGACTCAGCCCAACCCCTGCTCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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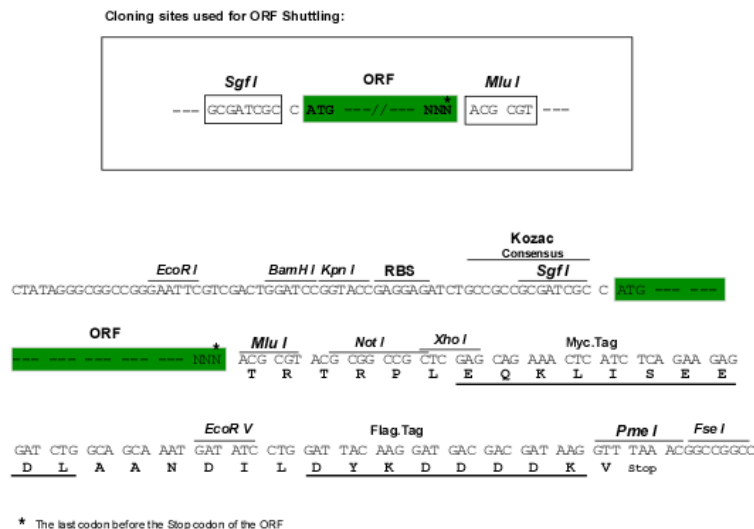
Protein Sequence: >RR202926 representing NM_053425
 Red=Cloning site Green=Tags(s)

MASKSGDGGTMCALFTVQMSCQSCVDAVHKTLLKGAAGVQNVQLENQMVLVQTTLPSQEVQALLESTG
 RQAVLKGMGSSQLKNLGAAVAIMEGSGTVQGVVRFLLSSELCLIEGTIDGLEPGLHGLHVHGYGDLTKD
 CSSCGDHFNPDGASHGGPQDTRHRGDLGNVHAEASGRATFRIEDKQLKVDVIGRSLVDEGEDDLGRG
 GHPLSKVTGNSGKRLACGIIARSAGLFQNPQKICSDGLTIWEERGRPIAGQGRKDSAPPAHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053425

ORF Size: 822 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053425.1](#), [NP_445877.1](#)

RefSeq Size: 1019 bp

RefSeq ORF: 825 bp

Locus ID: 84485

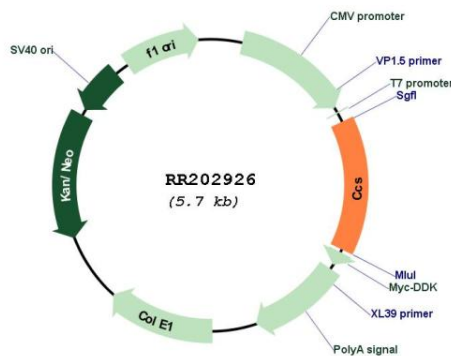
UniProt ID: [Q9JLK72](#)

Cytogenetics: 1q43

MW: 28.9 kDa

Gene Summary: binds copper; acts as a chaperone to insert copper into the Cu, Zn superoxide dismutase Sod1 [RGD, Feb 2006]

Product images:



Circular map for RR202926