

Product datasheet for **RR205482**

Cs (NM_130755) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cs (NM_130755) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cs
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR205482 representing NM_130755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTACTACTGCGGCAGCCCGGCTCTTGGGAGCCAAGAAGCTCATCCTGCCTCGTCTTGGCTGCC
 GGCACGCCAGTGCTTCTCCACGAATTTGAAAGACATACTGAGCAATCTGATACCTAAGGAGCAGGCCAG
 AGTTAAGACCTTCAGACAGCAGCATGGGAAGACAGTGGTTGGCCAAATCACTGTGGACATGATGTACGGT
 GGCATGAGAGGCATGAAGGGACTTGTGTATGAGACATCGGTTCTTGATCCTGATGAGGGCATCCGCTTCC
 GAGGCTATAGTATCCCTGAGTGCCAGAACTGCTACCTAAGGCTAAAGGTGGGAAGAGCCCTACCTGA
 GGGCTATTTGGCTGCTGGTAACTGGACAGATGCCACAGAGGAACAGGTCTCTTGGCTCTCACAAGAA
 TGGGCAAAAAGGGCAGCTCTGCCTCCCATGTGGTCACCATGCTGGACAATTTCCGACCAATCTGCACC
 CCATGTCTCAGCTCAGTGCAGCCATCACAGCCCTCAACAGTGAAGCAACTTCGCCCGGGCATATGCAGA
 GGAATAAACCGAACTAAGTACTGGGAGCTCATCTATGAAGACTGTATGGACCTGATTGCCAAGCTGCCG
 TCGTTGCAGCAAAGATCTACCGAATCTGTACCGGGAGGGCAGCAGTATTGGGGCAATTGACTCTAAGC
 TGGACTGGTCCCACAATTTACCAACATGTTATGCTACACAGAACCTCAGTTCACAGAACCTATGCGTTT
 GTACCTTACCATCCACAGTGACCATGACGGTGGCAATGTAAGTGCCACACAAGCCACTTGGTGGGCAGC
 GCCTTTCAGACACTTACCTGTCCTTTGCAGCAGCTATGAATGGGCTGGCAGGGCCTCTGCATGGACTAG
 CAAACCAGGAGGTGCTTGTCTGGCTGACGCAGCTACAGAAGGAAGTCGGCAAAGACGTGTGATGAGAA
 GTTACGAGACTACATCTGGAACACACTCAACTCGGGACGGGTTGTCCCAGGATATGGTATGCAGTCCTA
 AGGAAGACTGATCCAGTATTCCTGTGACGAGAGTTTGTCTGAAACATCTGCCCAAGGATCCCATGT
 TTAAGCTGGTTGCTCAGCTGTACAAGATTGTGCCCAATATCCTCTTAGAGCAAGGAAAGGCTAAGAACCC
 CTGGCCCAACGTAGATGCTCACAGTGGGGTGTGCTCCAGTACTATGGCATGACGGAGATGAATTACTAC
 ACAGTCTGTTCGGAGTGTGAGGGCACTGGGTGTGTTGGCCAGCTTATCTGGAGCAGAGCCCTAGGCT
 TTCTCTAGAAAGGCCAAGTCCATGAGCACGGATGGTCTGATGAAGTTGTGGACTCTAAGTCAGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205482 representing NM_130755
 Red=Cloning site Green=Tags(s)

MALLTAAARLLGAKNSSCLVLAARHASASSTNLKDILSNLIPKEQARVKTFRQQHGKTVVGQITVDDMMYG
 GMRGMKGLVYETSVLDPDEGIRFRGYSIPECQKLLPKAKGGEPLPEGLFWLLVTGQMPTEEQVSWLSQE
 WAKRAALPSHVVTMLDNFPTNLHPMSQLSAAITALNSESNFARAYAEGINRTKYWELIYEDCMDLIAKLP
 CVAAKIYRNLYREGSSIGAIDSKLDWSHNFTNMLCYTEPQFTLMRLYLTIHSDHDGGNVSHTSHLVGS
 ALSDTYLSFAAAMNGLAGPLHGLANQEVLVWLTQLQKEVGKDVSDKLRDYIWNTLNSGRVVPYGHAVL
 RKTDPRYSCQREFALKHLPKDPMFKLVAQLYKIVPNILLEQKGAKNPWPNVDAHSGVLLQYYGMTEMNYY
 TVLFGVSRALGVLAQLIWSRALGFPLERPKSMSTDGLMKFVDSKSG

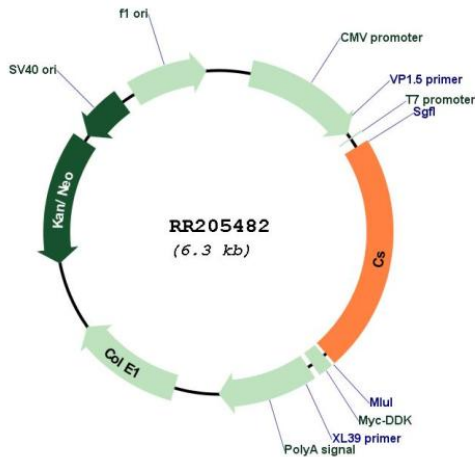
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_130755
ORF Size:	1398 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:	<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_130755.1 , NP_570111.1
RefSeq Size:	1498 bp
RefSeq ORF:	1401 bp
Locus ID:	170587
UniProt ID:	Q8VHF5
Cytogenetics:	7q11
MW:	51.9 kDa
Gene Summary:	human homolog is an enzyme that catalyzes the synthesis of citrate from oxaloacetate and acetyl coenzyme A [RGD, Feb 2006]