

Product datasheet for **SC116310**

RED (IK) (NM_006083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RED (IK) (NM_006083) Human Untagged Clone
Tag:	Tag Free
Symbol:	RED
Synonyms:	CSA2; RED; RER
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116310 sequence for NM_006083 edited (data generated by NextGen Sequencing)

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ATGCCGGAGCGAGATAGTGAGCCGTTCTCCAACCCTTTGGCCCCGATGGCCACGATGTG
GATGATCCTCACTCCTTCCACCAATCAAACCTACCAATGAAGACTTCAGGAACTTCTC
ATGACCCCGAGGGCTGCACCTACCTCTGCACCACCTTCTAAGTCACGTCACCATGAGATG
CCAAGGGAGTACAATGAGGATGAAGACCCAGCTGCACGAAGGAGGAAAAAGAAAGTTAT
TATGCCAAGCTACGCCAACGAATTTGAGAGAGAGAGAGAGCTAGCAGAGAAGTACCGG
GATCGTGCCAAGGAACGGAGAGATGGAGTGAACAAGATTATGAAGAAACCGAGCTTATC
AGCACCCAGCTAACTATAGGGCTGTTGGCCCCACTGCTGAGGCGGACAAATCAGCTGCA
GAGAAGAGAAGACAGTTGATCCAGGAGTCCAAATCTTGGGTGGTGACATGGAACACACC
CATTTGGTGAAAGGCTTGGATTTTGTCTGCTTCAAAGGTACGAGCTGAGATTGCCAGC
AAAGAGAAAGAGGAAAGAGGAACTGATGAAAAGCCCCAGAAAGAAACCAAGAAAGATGAG
GATCCTGAAAATAAAATTAATTTAAAACACGTCTGGGCCCAATGTTTACCGAATGCTT
TTTAAGAGCAAAGCATATGAGCGGAATGAGTTGTTCTGCCGGGCCGATGGCCTATGTG
GTAGACCTGGATGATGAGTATGTGACACAGATATCCCCACCCTTATCCGCAGCAAG
GCTGATTGCCCCACCATGGAGGCCAGACCACACTGACCACAAATGACATTGTCATTAGC
AAGCTGACCCAGATCCTTTCATACCTGAGGCAGGGAACCCGTAACAAGAAGCTTAAGAAG
AAGGATAAAGGGAAGCTGGAAGAGAAGAAACCTCCTGAGGCTGACATGAATATTTTGA
GACATTGGGGATTACGTACCTCCACAACCAAGACACCTCGGGACAAGGAGCGGGAGAGA
TATCGGGAACGGGAGCGTGATCGGGAAGAGACAGAGACCGTGACCGAGAGCGAGAGCGA
GAACGAGATCGGGAACGAGAGCGAGAGCGGGACCAGAGAGAGAAGAGGAAAAAGAGAGA
CACAGCTACTTTGAGAAGCCAAAAGTAGATGATGAGCCCATGGACGTTGACAAAGGACCT
GGGTCTACCAAGGAGTTGATCAAGTCCATCAATGAAAAGTTTGTGGGTCTGCTGGCTGG
GAAGGCACAGAATCGCTGAAGAAGCCAGAAGACAAAAGCAGCTGGGAGATTTCTTTGGC
ATGTCCAACAGTTATGCAGAGTGCTACCCAGCCAGATGGATGACATGGCTGTGGATAGT
GATGAGGAGTGGATTATAGCAAATGGACCAGGGTAACAAGAAGGGGCCCTTAGGCCGT
TGGGACTTTGATACCCAGGAAGAATACAGCGAGTATATGAACAACAAGAAGCTTTGCC
AAGGCTGCATTCCAGTATGGTATCAAAATGTCTGAAGGGCGAAAACCAGGCGCTTCAAG
GAAACCAATGACAAAGCAGAGCTTGATCGCCAGTGAAGAAGATTAGTGCAATCATTGAG
AAGAGGAAGAAGATGGAAGCTGATGGGGTTGAAGTCAAAGACCAAAATACTAA
    
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Clone variation with respect to NM_006083.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006083 unedited
TGTCACCATTTGTATACGACTCCTATAGGCGGCCCGCAATCGGCACGAGGGGAGACTCG
ATTGTTGGTGACCAGCGAAGAAACGATAACAAAATGCCGGAGCGAGATAGTGAGCCGTTCC
TCCAACCTTTTGGCCCCGATGGCCACGATGTGGATGATCCTCACTCCTTCCACCAATCA
AAACTACCAATGAAGACTTTCAGGAACTTCTCATGACCCCGAGGCTGCACCTACCTCT
GCACCACCTTCTAAGTCACGTCACCATGAGATGCCAAGGGAGTACAATGAGGATGAAGAC
CCAGCTGCACGAAGGAGGAAAAAGAAAAGTTATTATGCCAAGCTACGCCAACAAGAAAT
GAGAGAGAGAGAGAGCTAGCAGAGAAGTACCGGGATCGTGCCAAGGAACGGAGAGATGGA
GTGAACAAGATTATGAAGAAACCGAGCTTATCAGCACACAGCTAACTATAGGGCTGTT
GGCCCCACTGCTGAGGCGGACAAATCAGCTGCAGAGAAGAGAAGACAGTTGATCCAGGAG
TCCAAATCTTGGGTGGTGACATGGAACACACCCATTTGGTGAAAGGCTTGGATTTTGTCT
GTCTTCAAAGGTACGAGCTGAGATTGCCAGCAAAGAGAAGAGGAAGGAACTGATG
GAAAAGCCCCAGAAAGAAACCAAGATAGATGAGGATCCTGAAAATAAAATTAATTTAAA
ACACGTCTGGGCCGCAATGTTTACCGAATGCTCTTTAAGAGCAAAGCCTATGACCGGAAT
GAGTTGTTCTGCCGGCCCGCATGGCCTATGTCGGNAGACCTGGAAGATGAGTATGCTGA
CACAGAATCCCCACCCTTATCCGCAGCAGGCTGATTGCCCCACCAGGAGCCAGACCA
ACTGACCAAAAGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006083 unedited GCACCTCCAGGGCCAGAAGAGCACTGGGGNAGGGTCACAGGGATGCCACCCGGGATCTGT TCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTT GCAAGTTAACCAATTTAATGGAACCAAGTAATTACACAATAAAATTTTATATTCATCCA CAAAAAACATCTTGCAACCTTTGGAAATTGAAAAAGAAAACAGTGGGGAGCATATCCT TGTGGAGCATCTCTGGTTGTAAGTACTAGTATTAGTATTTTGGTCTTTTGACTTCAACCCCA TCAGCTTCCATCTTCTTCTCTTCTCAATGATTGCACTAATCTTCTTCCACTGGCGATCA AGCTCTGCTTTGTTCATTGGTTTCCTTGAAGCGCCTGGTTTTCCGCCCTCAAACNNNTG ATACCATACTGGAATGCAGCCTTGGGCAAAGCTTCTTTGTTGGTCATATACTCGTGTAT TCTTCTGGGTATCAAAGTCCCAACGGCCTAAGGGCCCCTTCTTGTACCTGGTCCATT TTGCTATAATCCACCTCCTCATCACTATCCACAGCCATGTCATCCATCGTGGCTGGGTAG CACTCTGCATAACTGTTGGACATGCCAAAGAAATCTCCAGCTGCTTTTTGTCTTCTGGC TTCTTCAGCGATTCTGTGCCTTCCAGCCAGCAGACCCAGCAAATTTTCATTGATGGAC TTGATCGAGATAGNNNAACNNCCAGTCTTTGTCAACGTTTCATGGGCTCATCATCTACT TTTGGCTCTCAAAGNAGCTGGGGCTTTCTTTTCTTCTTTTTTTGGGCCGCTCCGCT TTCGTTCCGATCTCGTCTCGTCTTGCTCTCGGCACGGCTCTGTCTTCCGATCCGCTCC GTTCCGATATTCTCCGTTCTTGCCGA
Restriction Sites:	NotI-NotI
ACCN:	NM_006083
Insert Size:	1830 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_006083.2 , NP_006074.1
RefSeq Size:	1785 bp
RefSeq ORF:	1674 bp
Locus ID:	3550
UniProt ID:	Q13123
Cytogenetics:	5q31.3
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene was identified by its RED repeat, a stretch of repeated arginine, glutamic acid and aspartic acid residues. The protein localizes to discrete dots within the nucleus, excluding the nucleolus. Its function is unknown. This gene maps to chromosome 5; however, a pseudogene may exist on chromosome 2. [provided by RefSeq, Jul 2008]