

Product datasheet for **RR202144**

Cers2 (NM_001033700) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cers2 (NM_001033700) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cers2
 Synonyms: Lass2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR202144 representing NM_001033700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCAGACCTTGATGACTACTTCTGGTGGGAACGACTATGGCTGCCTGTGAACTTAACCTGGGCTG
 ATCTAGAAGACAAAGATGGACGTGTCTATGCCAAAGCCTCAGACCTCTACATCACACTACCCCTGGCCCT
 GCTCTTTCTCATCATTGATACTTCTTTGAGCTTTATGTGGCTACACCCCTGGCTGCCCTCTGAATGTT
 AAGGAGAAAACCCGACTGCGGGCACCTCCAATGCCACCTTAGAGCATTCTACCTGACCGTCGGCAAGC
 AGCCCAAGCAGGTGGAGGTAGACCTTTGTCTCGGCAGAGTGGGCTCTCTGGACGCCAGGTAGAAGTTG
 GTCCGCCCGCCGCAACCAGGACAGGCCAGTCTTCTCAAGAAGTTCGAGAAGCCAGCTGGAGATTC
 ACATATTACCTCATTGCCTTTGTTGCTGGCATGGCTGTCACTGTGGATAAACCCCTGGTTCTATGACTTGA
 GGAAAGTTTGGGAAGGATATCCCATACAGAGTATCATCCCTTCTCAGTATTGGTACTACATGATTGAGCT
 TGCTTTCTACTGGTCCCTGCTCTTCAGCATTGCCTCCGATGTCAAGCGAAAGGATTTTAAGGAACAGATC
 ATCCACCATGTGGCCACCATCATTCTCCTCTGCTTCTCCTGGTTTGCCAATTATGTCCGAGCAGGGACCC
 TCATCATGGCTCTGCATGACTCTCCGACTACCTGCTGGAGTCTGCCAAGATGTTAACTACGCAGGATG
 GAAAAACACCTGCAACAACCTCTTCATTGTCTTCGCCGTCGTTTTTCATCATCACTCGACTGGTTATCATG
 CCCTTCTGGATCCTCCACTGCACAATGATATACCCACTGGAGTTCTACCCTGCCTCTTTGGCTATTACT
 TCTTCAATTCCATGATGGTAGTGCTACAGATGCTCCATGTCTTCTGGGCTACTTCAATTGTGCGCATGGC
 CCACAAGTTCATAACTGGAAAGCTGGTAGAAGATGAACGCAGTGACAGAGAAGAAACAGAGATTAGAG
 GGGGAGGAGGCTGCAGCTGGGGCAGGAGCAAAGAGCCGACTCCTAGCTAATGGCCACCCCATCTCAATA
 ACAACCATCCTAAGAATGACACAACCATCCTAAGAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202144 representing NM_001033700
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MLQTLYDYFWERLWLPVNLTWADLEDKDRVYAKASDLYITLPLALLFLIIRYFFELYVATPLAALLNV
 KEKTRLRAPPNATLEHFYLTVGKQPKQVEVDLLSRQSLSGRQVERWFRRRRNQDRPSLLKKFREASWRF
 TYYLIAFVAGMAVTVDKPFYDLRKKVWEGYPIQSIIPSQYWYMIELAFYWSLLFSIASDVKRRDFKEQI
 IHHVATIILLCFSWFANYVRAGTLIMALHDSSDYLLLESAKMFNYAGWKNTCNLFI VFAVVFIIITRLVIM
 PFWILHCTMIYPLEFYPAFFGYFFNSMMVVLQMLHVFWAYFIVRMAHKFITGKLVEDERSDREETESSE
 GEEAAAGAGAKSRLLANGHPILNNHPKNDTTILRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033700

ORF Size: 1140 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 Size: 2034 bp

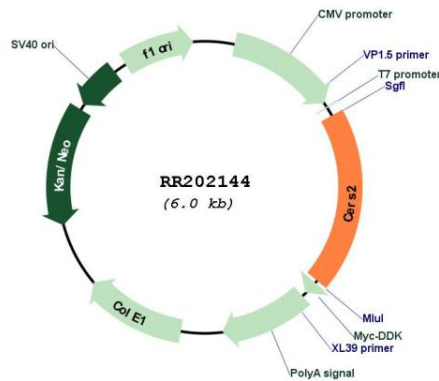
RefSeq ORF: 1143 bp

Locus ID: 310667

Cytogenetics: 2q34

MW: 45 kDa

Product images:



Circular map for RR202144