

Product datasheet for **RR216916**

Ces2 (NM_001271303) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces2 (NM_001271303) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ces2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216916 representing NM_001271303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACGGAACCAACTGCATAGCTGGCTGAATGCTGTGCTCTTTGGGCTGCTGCTTCTTCTTATTCATG
 TGCAGGGTCAGGACTCACCGAGTCCAGCCCCATCAGGACCACACACTGGCCAGGTCCAAGGCAAGCT
 CGACCACGTGAAGGACACTAAAGCTGGTGTCCACACCTTCTGGGAATTCCTTTGCCAAGCCTCTGTG
 GGACCGCTGCGCTTTCACCTCCTGAGCCACCTGAGCCATGGAGTGGTGTGAGAGATGCGACCTCACAGC
 CGGCCATGTGTCTGCAAAATCTTGATATTCTGGATGAAGTAGGCCTGCTGGATAGAAAATGATACTGTC
 TTCCATTTCTATGTCTGAGGACTGCCTGTATCTCAATGTCTATGCACCAGCCCATGCCCGTAGGGCTCT
 AACCTGCCTGTGATGGTGTGGATCCACGGAGGTGCGCTGGTTGTAGGAATGGCTCCATGTATGATGGAT
 CTCTATTGACAGTCAATGAGGACTTGGTGGTTGCTACTATTCAGTATCGTCTGGGTGCTCTGGGCTTTT
 CAGCACTGGAGATGAGCACGCCAGAGGCAACTGGGGATACCTGGACCAAGTGGCTGCCCTACGTTGGGTC
 CAGCAGAATATCGCCATTTTGGAGGCAACCCTAACCGTGTCACTATCTTTGGCGAGTCTGCAGGTGGCA
 CAAGTGTGTCTTACATGTTATATCCCCATGTCTCAAGGGCTCTTCCATGGTGCATCATGGAGAGTGG
 AGTGGCCCTGCTGCCTGACCTTATCTCTGAAACCTCTGAAACGGTCTCCACTACAGTGGCCAAGCTCTCT
 GGATGTGAGGCTATGGACTCAGAGGCCCTGGTGCCTGCTGAGAGCGAAGAGTGGAGCAGAGATTCTGG
 TCATTAACAAGGTCTTCAAGATGATCCCCGCTGTGGTGGATGGAGAGTTCCTACCCAGGCATCCCAAAGA
 GCTGTTGGCATCTGAGGATTTTACCCTGTCCCCAGCATCATTGGTGTAAACACAGATGAGTACTGTTGC
 ACCATTCTATGGTCATGGGCACTGCTCAAATAATAAAGGAGCTATCCAGAGAGAACCTGCAGGCTGTTTC
 TAAAGGATACAGCAGCACAATGATGCTTCTCCTGAGTGTGGTACCTGCTCATGGAAGAGTACATGGG
 GAACACTGATGATTTCCAGACCCTACAAATACAGTACACAGAGATGATGGGAGACTTCTGTGTTGTGATC
 CCTGCACTCCAAGTAGCACACTTTCAGCGTTCCTCATGCCCTGTCTACTTCTATGAGTTCCAACATGCAC
 CCAGCTATTTCAAGAATGTGAGGCCACCCACGTGAAGGCTGACCATGCTGATGAGGTTCTTTTGTCTT
 TGGGCTCTTCTTTTGGGCATGAAACTTGACTTCACTGAGGAGGAGAGGCTGCTGAGCAGGAGGATGATG
 AAGTACTGGGCCAACTTTGCAAGACAGGGGAACCCCAACAGCGAGGGTCTACCCTACTGGCTGCATTGG
 ACCACGATGAGCAGTACCTGCAGTTGGACACCCATCCTGCTGTGGACCGAGCCCTGAAGGCCAGAAGGCT
 GCAGTTCTGGACCAAGACTCTGCCCCAGAAGATTGAGGAGCTAAATGGAGCTCAGAAAAACCATGCAGAG
 CTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216916 representing NM_001271303
 Red=Cloning site Green=Tags(s)

MPRNQLHSLNVLFGLLLLLIHVQGDSPESPPIRTTHTGQVQKLDHVKDTKAGVHTFLGIPFAKPPV
 GPLRFAPPEPPEPWSGVRDATSQPAMCLQNLIDILDEVGLLDMKMILSSI SMSEDCLYLNVIYAPAHAREGS
 NLPVMVWIHGALVVGMA SMYDGSLLTVNEDLVVVTIQYRLGVLGFFSTGDEHARGNWGYLDQVAALRWV
 QQNIAHFGGNPNRVTFGESAGGTSVSSHVISPM SQGLFHGAIMESGVALLPDLISETSETVSTTVAKLS
 GCEAMDSEALVRCLRAKSGAEILVINKVFKMIPAVVDGEFLPRHPKELLASEDFHPVPSIIGVNTDEYCC
 TIPMVMGTAQIIKEL SRENLQAVLKDTAAQMMLPPECGDLLMEEYMGNTDDSQT LQIQYEMMGDFLVI
 PALQVAHFQRSHAPVYF YEFQHAPSYFKNVRPPHV KADHADEVPFVFGSFFSGMKLDFTEERLLSRMM
 KYWANFARQGNP NSEGLPYWPALDHDEQYLQLDTHPAVDRALKARRLQFWTKLTPQKIEELNGAQKNHAE
 L

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001271303

ORF Size: 1683 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_001271303.1](#), [NP_001258232.1](#)

RefSeq Size: 1733 bp

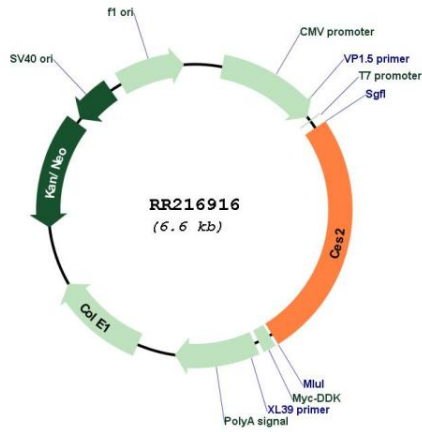
RefSeq ORF: 1686 bp

Locus ID: 100910144

Cytogenetics: 1q55

MW: 62.2 kDa

Product images:



Circular map for RR216916