

Product datasheet for **MR209694**

Ecd (NM_027475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecd (NM_027475) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ecd
Synonyms:	5730461K03Rik; Hsgt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR209694 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGGCAGTGAAAGCTCGCAATGGTAGAGGATGCTGTGGAGTACCATCTTCTCCTGATACCAGATA
AAGCCAGAGGCACAGAAGAGCACAGAGAGATTCTTCAGAAGTACATTGAACGGATAATGACCCAGTTCGC
ACCCATACTGGTCCCTTATATCTGGCAGAAATCAGCCTTCAATCTCAAATACAAGCCTGCAAAAAGGAGGT
GTTCTGCTCATATGTACGGCATGACAAAGTTGGAGATAACATTGAGGATGAATGGTTTATTGTTTATG
TAATAAAGCAGATTACAAAGGAATTTCCAGAGTTAGTGGCCAGGGTTGAAGACAATGATGGTGAGTTCCT
GTTAATAGAAGCGGCCGACTTTCTCCCTAAGTGGTTGGACCCTGATAACAGTGCCAACAGGGTGTTTTTT
CATCATGGGGAGCTGTGCATTATCCTGTGCCGAGGAAATCTGAAAGGATACCATGGTTACCCATGACAC
CACCAACAATCCAGCAAGCTTTGAGTATAATCTCGGCACACCCAGAAGCTGTTTTGGCTTCAGAATCTAT
ACAAGCTGCTGTGGACAGGCGCGTCAGTGGTACCCAGAAAGGGTGAAGCATCCCTCCATCGAGCACAC
TGCTTCCTCCAGCCGGCATTGTGGCGGTCTCAAGCAACAGCCAGGCTGCTGTGGCAGCCGTCCAGG
CCTTCTACCTACGGGACCCATTGACCTAAGAGCCTGTCGTGCTTCAAGACATTTTTGCCTGAAACACG
AATAATGGCCTCGGTCACTTTCACGAAATGTCTGTACGCACAGCTGGTACAGCAGAAGTTTGTGCCAGAC
CGGCGGAGTGGATACGGGCTCCACCTCCATCACATCCCAGTACCGAGCTTATGAACTGGGCATGAAGT
TGGCTCATGGATTTGAGATTTTGTGCTCCAAATGTAGCCACATTTTTCTGACTCCAGGAAGTCTTTGT
GACTGCCTCACCGCTCTGGGCCAGCTTCTTAAAAGTCTGAAAAGGAATGACTACTTTAAGGGACTGATG
GACGGCTCTGCGCAGTACCAGGAGAGACTAGAAATGGCAAAGAATAATTTCCAGCTCTCTATACCCGGC
CAGAAAGTTCACCTTGCTATGAGCCAGGCGAAGAGATCCTAACCGTGTTACAGACACAGCCATTTGACGT
CGCCGAGCTCAAGACAGAAGAAGCTGACCTTCTCCGGAGGACGATGACCAGTGGTTAGACCTCTACCA
GACCAGTTAGACCAGCTACTGCAAGATGCTGCGGGCAGAAAAGAATCCCAGCCGGTCCCAGAAGGAGG
AGCTGCAGAACTATGATGTAGCGCAGGTCTCAGACAGCATGAAGGCCTTCATCTCCAAAGTGTCTAGCCA
CAAGGGGGCAGAGCTGCCAGAGACCCTTCGGAAGCTCCAATCACTTTTGTGATGCAGATTCTTTTCTGAAT
TATTTTGATAAGATTTTAGGAGCAAAGCCTCAGGAGTCAACTCTGAGGATGACCCGGGTGAGGAGGACG
TGAAGGTGTAGACAGTATGATGACGTGGGCTTTGAGGCTCAGGAGTCTGAGTCTCTGAAAGGAGCCCT
TGGCAGCCTCAAGTCTACATGGCCGGATGGACCAGAACTGGCACACACCAGCATGGGCAGAAGCTTC
ACCACGCGGGAGCGATTGAATAAGGACCCTCCATCCCACACTGCAAATGACAATTCAGATGAAGAAGATT
CTGGTGCAGGAGATTGCGCTGTTGAAGCAGTGGATGTAGACCTGAACCTGATTTCAAATATACTGGAATC
CTACAGCTCCAAGCGGGCTGGCAGGACCTGTTCCAATCTGTTACACAGCATGGGTGTGCGACTGCC
GACAACGCTGATCACAACCCCAAGTCAGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

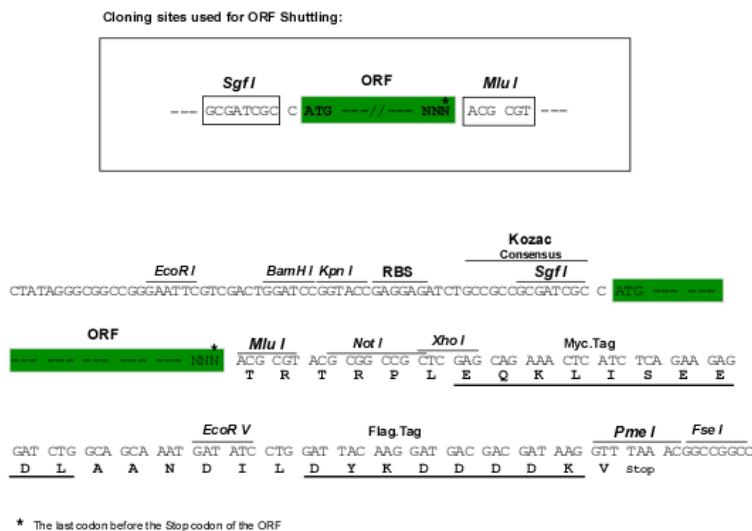
Protein Sequence: >MR209694 protein sequence
Red=Cloning site Green=Tags(s)

```
MEGSGKLAMVEDAVEYHLFLIPDKARGTEEHREILQKYIERIMTQFAPILVPYIWQNQPFNLKYKPAKGG
VPAHMYGMTKFGDNIEDWFIVYVIKQITKEFPELVARVEDNDGEFLLIEADFLPKWLDPDNSANRVFF
HHGELCIIPVPRKSERIPWLPMTPTTIQQALSIISAHPEAVLASESIQAADVRRVSGYPERVEASLHRAH
CFLPAGIVAVLKQQRLLSAAVQAFYLRDPIDLRACRVFKTFLPETRIMASVTFKCLYAQLVQQKFVPD
RRSGYGLPPPSHPQYRAYELGMKLAHGFEILCSKCSPHFSDSRKSLVTASPLWASFLESLKRNDYFKGLM
DGSAQYQERLEMAKNYFQLSIHRPESSLAMSPGEEILTVLQTQPFVDVAELKTEEADLPEDDDQWLDLSP
DQLDQLLQDAAGRKESQPGPQKEELQNYDVAQVSDSMKAFISKVSSHKAELPRDPSEAPITFDADSFNLN
YFDKILGAKPQESDSEDDPGEEDVEGVSDDDVGFEAQESES LGALGSLKSYMARMQELAHTSMGRSF
TTRERLNKDPPSHTANDNSDEEDSGAGDCAVEAVDVLNLSNILESYSYQAGLAGPASNLLHSMGVRLP
DNADHNPQVSQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027475

ORF Size: 1926 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_027475.3](#)

RefSeq Size: 3125 bp

RefSeq ORF: 1926 bp

Locus ID: 70601

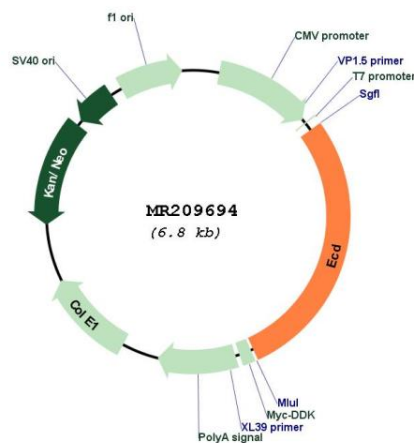
UniProt ID: [Q9CS74](#)

Cytogenetics: 14 A3

MW: 71.7 kDa

Gene Summary: Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes (By similarity). Involved in regulation of cell cycle progression (PubMed:26711270). Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins (PubMed:19640839). The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209694