

Product datasheet for **RR217022**

Def6 (NM_001191717) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Def6 (NM_001191717) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Def6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217022 representing NM_001191717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGCGCAAGGAGCTGCTCAAATCCATCTGGTACGCCCTTCACTGCACTGGACGTGGAGAAAAGCG
 GCAAGGTCTCAAGTCTCAACTCAAGGTGCTGCCACAACCTGTACACGGTCCTTACATCCCTCATGA
 CCCCGTGGCCCTGGAGGAACACTTCCGGGATGACGACGACGCGCCCGTGTCCAGTCAAGGATACATGCC
 TACCTCAACAAGTACATCCTAGACAAGGTGGAGGAGGGGCTTTCGTTAAGGAGCACTTTGATGAGTTGT
 GCTGGACACTGACGGCCAAGAAGAACTACCGAGTTGAAGGCAACGAAACAGCCTGCTCTCCAATCAGGA
 CGCTTCCGCTCTGCTGCTCAACTTCTGTCTGAGGACAAGTACCCGCTGATCATGGTCCGGAT
 GAGTTGAGTATCTGCTGAAGAAGCTCCTCGGAGCTTGGAGTGGAGATGGCCCTCGGGAGCTGGAGG
 AACTCTTGGCCAGGACGCCAATCAGCCAGACCTCCGGGGGGCTCAGCGTCTGGCAATTTCTGGAGCT
 CTTCAACTCAGGCCGCTGCTGCGGGGTGTGGGCAGGACTCCCTCAGCATGGCCATCCAAGAAGTCTAC
 CAGGAGCTCATCAAGAGCTCCTGAAACAGGGCTATCTGTGAAAAGAGGGCACCTGAGGAGGAATTGGA
 CCGAGCGCTGTTCCAGCTGCAACCCAGCTGCCTCTGCTACTTTGGGAGTGGGAATGCAAGGAGAAACG
 AGGCACCATACCCCTGGACGCGCACTGCTGTGGAGGTGCTTCCGGACCGCAAGGAAAGCGCTGCATG
 TTTTGTGTGAAGACTGCCAGCCGACGTACGAGATGAGCGCTCAGACACGCGCCAGCGCCAGGAGTGGA
 CGGCCGCCATCCAGACCGCATCCGGCTACAGGCAGAGGGGAAGACGTCGCTGCAACAAGGACCTGAAGCA
 GAAGCGCGGGAGCAGCGGGAGCAGCGGAGAGGGCGCGGCAGCAAGGAGGAGGAGTCTGCGGCTG
 CAGCAGCTGCAGGAGAAAAGGAGAGGAAGTGCAGGAGCTGGAGTCTGCAGGAGCTCAGCGGCAGG
 CGGAGCGCTGCTGCAGGAGGAGGAGGAGCGCCCGTAGCCAGCACAGGAGCTGCAGCAAGCTTGGA
 GGGCCAGCTGCGGGAGCGGAGCAGGCCCGGCCCTCTATGCAAGCTGAGATGGAGCTGAAGAAGGAAGAG
 GCGGCCCGGCAACGCGCAGCATCGCGGAGCTGGAGGAGTGCAGGAGCGCTGCAGGAAGCTTTGCAAC
 TGGAGGTGAAAGCTAGGCGAGATGAGGAGGCCGTGCGCCTCGCCAGACCAGGCTGCTGGAGGAGGAGGA
 GGAGAAGCTGAAGCAGCTGATGCATCTGAAGGAGGAGCAAGAGCGCTACATTGAGCGAGCGCAGCAGGAG
 AAGCAGGAGCTTCAAGCAGGAGTGGCGCTGCAGAGCCGTTCCCTGCAGCAGGCCAGCAGCAGCTGGAGG
 AGGTGCGGCAGAACCGGCAGAGGCAGACGAGGACGTGGAGGCTGCCAGAGGAAGTTGCCCGAGGCCAG
 CACCAACGTGAAACTGGAACGTCCAGATGAACAGGCTCATGCATCCGATCGAGCTGGAGATAAGCGT
 CCCACCACGACGCTCCTTACCGGCTCCAGGCCCTCCGCTGCGCCCGCTGACTCCTCTAAAGC
 GCCTGACCCGCTGGGGTCCCAAGGCAACAGAACCCTCTCGGCCAACAGCAGCAACAGAAGTCCCTCAA
 TGGTGGGACGAGACTCCATCCTGGCTTTGGCCTCTCAGGAAGAGAACTGGATGCAGCGCCAGAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217022 representing NM_001191717
 Red=Cloning site Green=Tags(s)

MALRKELLKSIWYAFTALDVEKSGKVSQKLVLSHNL YTVLHIPHPVALEEHRDDDDGPVSSQGYMP
 YLNKYILDKVEEGAFVKEHFDEL CWTLTAKKNYRVEGNGNSLLSNQDAFRLWCLFNFLSEDKYPLIMVPD
 EVEYLLKLLGSLSEMLGLELELLAQDAQSAQTSGLSVWQFLELFNSGRCLRGVQDLSMAIQEVY
 QELIQDVLKQGYLWKRHLRRNWTERWFQLQPSCLCYFGSECKEKRGTIPLDAHCCVEVLPDREGKRCM
 FCVKTASRTYEMASDTRQRQEWTAIIQTAIRLQAEKTSLHKDLKQKRREQREQRRRAAKEEELLRL
 QQLQEEKERKLQELELLQEAQRQAERLLQEEEERRRSQHRELQQALEGQLREAEQARASMQAEMELKKEE
 AARQRQRIAELEEMQERLQEQALQLEVKARRDEEAVRLAQTRLEEEEEKQLQMLHLKEEQERYIERAQQE
 KQELQEQMALQSRSLQQAQQLEEVQRNRQRADEDVEAAQRKLRQASTNVKHWNVQMNRMLMHPIEPGDKR
 PTTSSSFTGFQAPPLARRDSSLKRLTRWGSQGNRTL SANSSEQKSLNGGDETPILALASQEEKLDAA PEN

TRTRPLEQKLISEEDLAANDILDYKDDDDK

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001191717

ORF Size: 1890 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_001191717.1](#), [NP_001178646.1](#)

RefSeq Size: 1893 bp

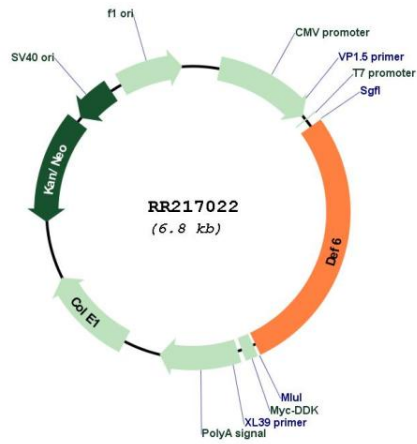
RefSeq ORF: 1893 bp

Locus ID: 309642

Cytogenetics: 20p12

MW: 73.6 kDa

Product images:



Circular map for RR217022