

## Product datasheet for **MR224351**

### Orc4 (NM\_001177313) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Orc4 (NM\_001177313) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Orc4  
**Synonyms:** mMmORC4; Orc4l; Orc4P  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224351 representing NM\_001177313  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAGTCGTAAAACCAAGAGTAATGCACATGCAGAGTGTCTTTCACAGGTACAAAGAATTTACGTG  
AAAGATTTTGTCCATCATAGTCCACATAGCAACCTCTTTGGAGTGAAGTACAATACAAGCATTGATTGA  
GCTACTCAAAGAAGTCTATCTATGGAGAAAGCAATTCTGTACTCATTGTTGGACCACGAGGATCAGGA  
AAGACCACATTATTAATCATGCTTTGAAAGAAGTCAAGAAATAGAAGTGAAGTAAAATGTGATACAAG  
TTCACCTAAATGGACTCCTGCAGACAAATGAAAAAATTGCTCTGAAAGAGATCACAAGACAATTAATCT  
AGACAATGTAGTTGAAGATAAAGTTTTTGGTATGCTGGTGTGCCTGAAGTCTCAAAGTACCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224351 representing NM\_001177313  
Red=Cloning site Green=Tags(s)

MSSRKTKSNAHAECLSQVQRILRERFCHSPHSNLFQVQVQYKHLIELLKRTAIYGESNSVLIIVGPRGSG  
KTTLLNHALKELMEIEVSENVIQVHLNGLLQTNKIALKEITRQLNLDNVVEDKVFVGLVCEVSKYR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

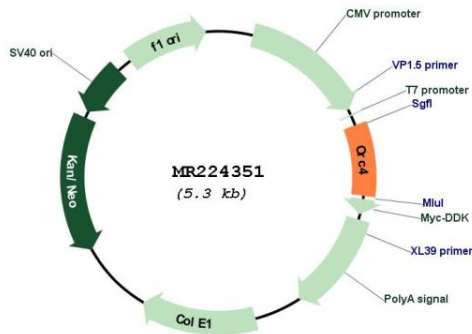


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RefSeq ORF:	417 bp
Locus ID:	26428
Cytogenetics:	2 C1.1
MW:	16.2 kDa
Gene Summary:	Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 (By similarity). Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224351