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Product datasheet for MC205022

Orc3 (NM_015824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Orc3 (NM_015824) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Orc3
Synonyms:	Orc3l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC061252
GCGCATGCACACGGGGCCGCGGACTATGGCCACCTCCTCCGTGTCTAAGGGCTGCTTTGTGTTTAAACCA
GACTTCAAAAAAAGAAAGGTCTTTGTGCCAATAGAGGATTATTTTAATAATGAGGAACTTGACTCTGAGG
ACAGTAAACTTCGATTTGAAACATATAGCTTGCTATGGCAACGGATGAAATCTGAAACAGAGCAATTACA
GGAGGAATTAAATGAAAATCTGTTTGATAACCTAGTTGACTTTCTGCAGAAGTCCCATCCTGAATTCCAG
AAAAATTCAAGAGACTGGGGCTCTCAAATGAAATTCAGAGAAATTCCAACAGCTGCTCTTATTCTTGGTG
TGAATGTCACGGATCATGATGTGATACTCAGAAGTCTAACAGAGACCCTTCAGAATAATGTCACACCATA
TGTAGTCTCACTGCAAGCTAAGGATTGTCCCGATGTGAAACATTTTTTACAAAAGTTTACCTCACAGTTG
ATGGACTGCTGTGTAGACAGGCATTCCAAGGAGGTGACAAGTGGTAAGGCCCTGAAGAAGACAAATTATT
CAATGGATTCCCTTTGTAGTTGGTATTCGGCAGTCACACAGAAAGCAGACCACAAAGTGACAATCAAAAA
GAGGACACCATCTGGCCATTGGCGGTCCCCTCCTGTGGTGCTTATCTTAAAGAGCATGGAGAGTTTCACC
AGCAAAGTCCTCCAAGACTTCATAACTATCAGCAGTCAGCATCTGCATGAGTTTCCGCTAATTCTGATTT
TTGGGATCGCCACATCTCCTGTTATTATCCACCGACTGCTTCCTCATTCAGTGTCATCGCTGTTGTGTGT
AGAACTGTTCCAGTCTCTGTCTTGCGAGCAACACCTGACAGTAGTTCTTGATAAGCTACTTCTTACACCT
CAGTTTCCCTTTAAACTAAGTAAAAAGGCATTACAGGTTCTGACCAACATCTTTTTGTATCATGATTTCT
CAATTCAAAGCTTCATCAAAGGAATTAAGCTTTCTCTACTAGAACATTTTTATTCCCAGCCCCTAAGTGT
TCTGTGCTGCGATCTCTCAGAAGCCAAAAAAAGAGTAAATGTTTTCTCAGTTAGTCAATGTGAAAACATC
CGCCGCCTTCCTTCATTTAGGAGGTACGTGGAAAACCAGCCTTTGGGAAAGCAAGTGGCACTGCTGACAA
ATGAGACCTTCTTAAAGGAGAAAACTCAATCATTGCTGGAAGACCTGCATGTTTACCATATCAATTACTT
CCTTGTCTTGAGATGTCTTCATAATTTTACCTCTTCTCTTCCCAAGTACCCACTGGGTCGACAGATTAGG
GAGCTGTATTGCACATGTTTAGAAAAGAAGATATGGGATTCGGAGGAGTACAAGTCAGCCTTGCAGCTGC
TGAGAATGCTGGCAAAGGATGAACTGGTGAGCATACTTCAGCGCTGTATTGAGGTTTTAGATTCCTCTAC
TGAAAAGCAGCTTGGCAACACAACACAGAAAATAAAGGATTTCCTGACCCAGTTTCAGAACCTCGATGAT
AGCAAAGAGGAAGAGGATGCCTGTGGATCACAGCCAAAGGGGCTGCAGAAGACAGACCTGTATCACCTTC
AGAAGTCCTTACTAGAAATGAAAGAGCTAAGGAGAACTAAGAAGCCAACCAAGTTTGAAATGCTCAGAGA
AAATGTTATGAACTTCATCGACAACTTAGTGAGAGACTACCTTCTGCCTCCTGAGAGCCAGCCTCTGCAT
GAGGTAGTGTACTTCAGTGCTGCCAACACACTCCGTGAGCACTTAAATGCTGCTCCAAGGATCGCTCTTC
ACACTGCACTCAACAACCCATACTATTACCTGAAGAATGAAGAACTGGAAGGATGTATTCCAAATACTGC
CCCTGACATCTGCATAGCATACAAACTGCACCTGGAGTGTAGCCGGCTGATCAACCTCGTCGACTGGGCA
GAGGCTTTTGCAACAGTTGTGACAGCTGCTGAGAAAATGGATGCAAATTCTACAGTCTCAGAAGAAATGA
GTGAAGTTATTCATGCTCGATTTATTCGAGCTGTTTCTGAATTAGAACTTTTAGGCTTTATAAAACCTAC
GAAACAGAAGACTGACCATGTTGCAAGGCTTACATGGGGAGGCTGTTAAACAGCAAGAGAGTGAAGACAA
GAAGAGTTCCATGTCCAACTTGCATATTTGTATCAAAACGTTTTTGGAGTACTTCAAAGACTAACAAATG
CATAAAGCCTTTATATGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: SfiI-SfiI

ACCN: NM_015824

Insert Size: 2145 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	BC061252, AAH61252
RefSeq Size:	2288 bp
RefSeq ORF:	2145 bp
Locus ID:	50793
UniProt ID:	Q9JK30
Cytogenetics:	4 A5
Gene Summary:	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 (By similarity). Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).