

Product datasheet for **MC218781**

Det1 (NM_029585) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Det1 (NM_029585) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Det1
Synonyms:	2610034H20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218781 representing NM_029585
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCATCATGTTTCCACAATTAACCTCGAAGAATCCAAAATCAAATGTCATTACCCGCTCGAAC
 GCCGGCGCATCAGTTCAGGCAAGGCGGGCACCCACTGGCATCAGGTCCGAGTGTCCACCAGAACGTCTT
 CCCAACTTCACGGTTGTCAACGTCGAAAAGCCTCCTTGTTCCTACGAAATTCGCGCTGACGGGCGC
 TACTTTATTGCCTTTTCTGACCAGACATCTTTGAAATCTATGAGTACCAGGGCTGTGAGGCAGCAG
 AGGACCTCTTGACGGGATACGAAGGGGAGATCTTGCCAATGGCAATGACCAGAGGTCGGTCAGCATCCG
 AGGTGGCTCTTTGAGCGTTTTTTTGTCTGCTGCACATTACCAACGTGGCGGCAATGGCGAGCACTTG
 AACCGGGAGTGTAGCCTTTCACAGATGACTGCCGCTGCGTCATCGTGGGCTCTGCTGCCTACCTCCAG
 ACGAGCCTCACCTCCATTCTATGAGGTGTATCGGAACAGTGTGAGTGGTACCCCAATCCACGGTCCCC
 ACTTGAGGACTATTCCCTCCACATCATTGACCTTCACACTGGCCGTTTGTGTGACACACGCACATTAAG
 TGTGACAAAGTGGTCTTGTGCGACAATCAAGGGCTCTACTTGTATAAAAACATCCTGGCCATATTGTCTG
 TGCAGCAGCAGACGATTCATGTCTTCCAGGTGACCCCTGAAGGCACCTTTATCGACGTTGCAACCATCGG
 CCGCTTCTGCTATGAGGATGACCTGCTCACTGTGTCTGCCGTTTTCCCTGAGGTGACGCGGGACAGCCAG
 ACAGGCATGGCCAACCTTTTCAGGGACCCTTTCATCAACTCCTTGAAGCACCGCTTGCTGGTTTACCTCT
 GGGCGCGGGCAGAGCAGGATGGCAGTGGCATGGCGAAGAGGGCGTTCTTCCAGTACTTTGACCAGCTGCG
 CCAGCTGCGCATGTGGAAGATGCAGTCTCTGGACGAGAACCATCTGTTTCAAGTACACCAGCGAGGAC
 GTAGTGACGCTGCGGGTACAGACCCGCTCAGGCCTCCTTCTTGTGGTATAACAACATGGTGACAACAG
 AGGTGATTGCCGTGTTTGAGAACACATCCGATGAGCTTCTGGAACCTTCGAGAATTCTGTGACCTCTT
 CCGCAACGCCACCCTGCACAGTGAAGTCCAATTCCTTGTCTCAGCTTCTAGCAACAACCTTGAAGGCAG
 ATCCAGCGCCGGTTCAAAGACACGATTATAAATGCCAAGTATGGAGGGCACACGGAGGCTGTGCGCCGAC
 TGCTAGGCCAGCTCCCCATCAGTGCCAGTCTTACAGTGGGAGCCCATACCTGGATTTGTCTCTCTTCAG
 CTACGATGACAAGTGGGTGTCAGTCATGGAGCGACCCAAGACTTGTGGAGATCACCCGATCAGGTTCTAT
 GCCCGGGACTCTGGCTTGTGAAGTTTGTAGATCCAGGCGGGCTTGTGGCCGCCCATCAACCACACAG
 TGCGACGCTCGTGGCTTACCTTTACCCTTTGAGCCATTTGCCATTTCTGTGCAGAGGACTAACGC
 AGAGTATGTTGCAACTCCACATGCGACTGCTGCACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_029585

Insert Size: 1653 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: [NM_029585.3](#), [NP_083861.1](#)

RefSeq Size: 2217 bp

RefSeq ORF: 1653 bp

Locus ID: 76375

UniProt ID: [Q9D0A0](#)

Cytogenetics: 7 D2

Gene Summary: Component of the E3 ubiquitin ligase DCX DET1-COP1 complex, which is required for ubiquitination and subsequent degradation of target proteins. The complex is involved in JUN ubiquitination and degradation (By similarity).[UniProtKB/Swiss-Prot Function]