

Product datasheet for **MR208737**

Det1 (NM_029585) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR208737 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCATCATGTTTCCACAATTAACCTCGAAGAATCCAAAATCAAATGTCATTACCCGCTCGAAC
 GCCGGCGCATCAGTTCAGGCAAGGCGGGCACCCACTGGCATCAGGTCCGAGTGTTCCACCAGAACGTCTT
 CCCAACTTACAGTTGTCAACGTCGAAAAGCCTCCTTGTTCACGAAATTCGCGCTGACGGGCGC
 TACTTTATTGCCTTTTCTGACCAGACATCTTTGAAATCTATGAGTACCAGGGCTGTGAGGCAGCAG
 AGGACCTCTTGACGGATACGAAGGGGAGATCTTGCCAATGGCAATGACCAGAGGTCGGTCAGCATCCG
 AGGTCGGCTCTTTGAGCGTTTTTTTGTCTGCTGCACATTACCAACGTGGCGGCAATGGCGAGCACTTG
 AACCGTGAGTGTAGCCTTTCACAGATGACTGCCGCTGCGTCATCGTGGGCTCTGCTGCCTACCTCCAG
 ACGAGCCTCACCTCCATTCTATGAGGTGTATCGGAACAGTGAGTCGGTGACCCCAATCCACGGTCCCC
 ACTTGAGGACTATCCCTCCACATCATTGACCTTCACACTGGCCGTTTGTGTGACACACGCACATTAAG
 TGTGACAAAGTGGTCTTGTGCGACAATCAAGGGCTCTACTTGTATAAAAACATCCTGCCATATTGTCTG
 TGCAGCAGCAGACGATTCATGTCTTCCAGGTGACCCCTGAAGGCACCTTTATCGACGTTCCGACCATCGG
 CCGCTTCTGCTACGAGGATGACCTGCTCACTGTGTCTGCCGTTTTCCCTGAGGTGCAGCGGGACAGCCAG
 ACAGGCATGGCCAACCTTTTACGGGACCCTTTCATCAACTCCTTGAAGCACCGCTTGCTGGTTTACCTCT
 GGGCGCGGCAGAGCAGGATGGCAGTGCATGGCGAAGAGGCGGTTCTTCCAGTACTTTGACCAGCTGCG
 CCAGCTGCGCATGTGGAAGATGCAGTCTCTGGACGAGAACCATCTGTTTCAAGTACACCAGCGAGGAC
 GTAGTGACGCTGCGGGTACAGACCCGCTCAGGCCTCCTTCTTGTGGTGTACAACATGGTGACAACCTG
 AGGTGATTGCCGTGTTTGAACAACATCCGATGAGCTTCTGGAACCTTTCGAGAATCTGTGACAACCTG
 CCGCAACGCCACCCTGACAGTGAAGTCCAGTTCCTTGTCTGAGCTTCTAGCAACAACCTTGAAGGCAG
 ATCCAGCGCCGGTTCAAAGACACGATTATAAATGCCAAGTATGGAGGGCACACGGAGGCTGTGCGCCGAC
 TGCTAGGCCAGCTCCCCATCAGTGCCAGTCTTACAGTGGGAGCCATACCTGGATTTGTCTCTCTTCAG
 CTACGATGACAAGTGGGTGTGAGTGTGGAGCGACCCAAGACTTGTGGAGATCACCCGATCAGGTTCTAT
 GCCCGGGACTCTGGCTTGTGAAGTTTGTGATCCAGCGGGCTTGTGGCCGCCCATCAACCACACAG
 TGCGACGCTCGTGGCTTACCTTTACCCCTTTGAGCCATTTGCCATTTCTGTGCAGAGGACTAACGC
 AGAGTATGTTGTCAACTCCACATGCGACTGCTGCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208737 protein sequence
 Red=Cloning site Green=Tags(s)

MDHHVSTIKPRRIQNQNIHRLERRRISGKAGTHWHQVRFVFNQVFPNFTVVNVEKPPCFRLKFS PDGR
 YFIAFSSDQTSLEIYEYQGCQAAEDLLQGYEGEILSNGNDQRSVSIRGRLEFFVLLHITNVAANGEHL
 NRECSLFDDRCVIVGSAAYLPDEPHPPFYEYVYRNSESVTPNPRSPLEDYSLHIIDLHTGRLCDTRTFK
 CDKVVLSHNQGLYLKNIILAILSVQQQTIHVFQVTPGTFIDVRTIGRFCYEDDLLTVSAVFPEVQRDSQ
 TGMANPFRDPFINSLKHRLLVYLWRRAEQDGSAMAKRRFFQYFDQLRQLRMWKMQLLDENHLFIKYTSED
 VVTLRVTDPQSASFVVYNNMVTTEVIAVFENTSDELLELFENFCDLFRNATLHSEVQFPCSASSNFRQ
 IQRRFKDTIINAKYGGHTEAVRRLGLQLPISAQSYSGSPYLDLSLFSYDDKWVSVMERPKTCGDHPIRFY
 ARDSGLLKFEIQAGLLGRPINHVRRLVAFTFHPFEPFAISVQRTNAEYVYVNFHMRHCCT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_029585

ORF Size: 1653 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_029585.2](#)

RefSeq Size: 2217 bp

RefSeq ORF: 1653 bp

Locus ID: 76375

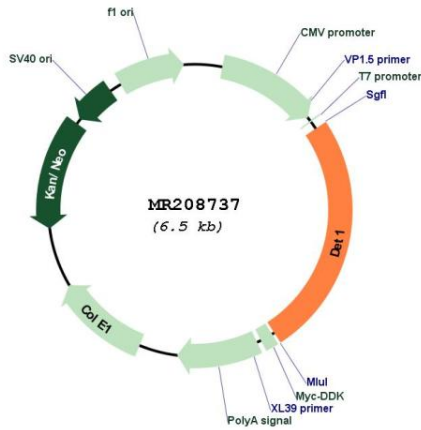
UniProt ID: [Q9D0A0](#)

Cytogenetics: 7 D2

MW: 63.8 kDa

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]

Product images:



Circular map for MR208737