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Product datasheet for RC227483

DET1 (NM_001144074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DET1 (NM_001144074) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC227483 representing NM_001144074
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCATCATGTTTCTACCATCAAGCCTCGAAGAATCCAAAACCAAAATGTCATTCACCGCTTGGAAC
GCCGGCGGATCAGTTCAGGCAAGGCAGGTACCCACTGGCACCAAGTCCGAGTGTTCCATCAGAATGTCTT
CCCCAACTTCACAGTTGTCAACGTTGAAAAGCCTCCTTGTTTCTTGCGTAAATTCTCACCTGATGGACGC
TACTTTATTGCTTTTTCTTCAGACCAGACATCTCTTGAAATCTATGAGTACCAGGGCTGCCAGGCAGCAG
AGGACCTACTGCAGGGATACGAAGGAGAAATCCTGTCCAATGGCAATGACCAGCGGTCAGTGAATATCCG
GGGCCGGCTCTTTGAACGCTTTTTTGTCCTGCTGCACATTACCAATGTTGCGGCCAATGGTGAGCACCTG
AACCGGGAGTGTAGTCTCTTCACTGATGACTGCCGCTGTGTCATCGTGGGCTCAGCTGCCTACCTCCCAG
ATGAGCCTCACCCTCCATTTTTTGAGGTATATCGGAACAGTGAATCAGTGACCCCCAACCCACGGTCCCC
TCTAGAAGACTATTCCCTCCATATCATTGACCTTCACACCGGCCGCTTATGTGATACACGCACGTTCAAG
TGTGACAAGGTGGTCTTGTCACACAACCAAGGGCTGTACTTGTACAAAAACATCCTGGCCATCTTGTCTG
TGCAACAACAGACCATCCATGTCTTCCAGGTGACTCCTGAAGGCACTTTCATTGATGTGCGGACCATTGG
CCGCTTTTGCTATGAGGATGACCTGCTCACTGTGTCAGCTGTTTTCCCTGAGGTACAGCGGGACAGTCAG
ACAGGCATGGCCAATCCCTTTAGGGATCCTTTCATCAATTCCCTCAAACACCGGTTGCTGGTATATTTGT
GGCGCCGGGCAGAACAGGATGGTAGTGCAATGGCCAAGAGGCGCTTCTTCCAGTATTTTGACCAACTGCG
GCAGCTGCGAATGTGGAAAATGCAGCTTCTGGATGAAAACCACCTGTTTATCAAGTACACTAGTGAGGAT
GTAGTAACACTGCGAGTCACAGATCCATCACAGGCATCTTTCTTTGTGGTGTACAATATGGTGACGACAG
AGGTGATTGCTGTGTTTGAGAATACATCAGATGAGCTTTTGGAGCTCTTTGAGAACTTCTGTGACCTTTT
TCGTAATGCTACCCTGCACAGTGAAGTTCAGTTTCCCTGCTCAGCTTCTAGCAACAATTTTGCAAGGCAG
ATCCAGCGCCGGTTCAAAGACACTATTATAAATGCCAAGTATGGAGGGCACACAGAGGCAGTACGCCGGC
TGCTGGGTCAGCTCCCCATCAGTGCTCAGTCTTACAGCGGTAGCCCCTATCTGGATTTGTCTCTCTTCAG
TTATGATGACAAGTGGGTATCTGTCATGGAGCGGCCCAAGACTTGTGGAGATCACCCAATCAGGTTCTAT
GCCCGGGACTCGGGCCTGCTCAAGTTTGAGATCCAGGCGGGGTTATTGGGCCGCCCCATCAACCACACAG
TGCGACGCCTTGTTGCCTTCACCTTTCACCCTTTTGAGCCTTTCGCTATTTCTGTGCAGAGGACTAATGC
TGAGTATGTTGTCAACTTCCATATGCGACACTGCTGCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227483 representing NM_001144074
Red=Cloning site Green=Tags(s)

MDHHVSTIKPRRIQNQNVIHRLERRRISSGKAGTHWHQVRVFHQNVFPNFTVVNVEKPPCFLRKFSPDGR
YFIAFSSDQTSLEIYEYQGCQAAEDLLQGYEGEILSNGNDQRSVNIRGRLFERFFVLLHITNVAANGEHL
NRECSLFTDDCRCVIVGSAAYLPDEPHPPFFEVYRNSESVTPNPRSPLEDYSLHIIDLHTGRLCDTRTFK
CDKVVLSHNQGLYLYKNILAILSVQQQTIHVFQVTPEGTFIDVRTIGRFCYEDDLLTVSAVFPEVQRDSQ
TGMANPFRDPFINSLKHRLLVYLWRRAEQDGSAMAKRRFFQYFDQLRQLRMWKMQLLDENHLFIKYTSED
VVTLRVTDPSQASFFVVYNMVTTEVIAVFENTSDELLELFENFCDLFRNATLHSEVQFPCSASSNNFARQ
IQRRFKDTIINAKYGGHTEAVRRLLGQLPISAQSYSGSPYLDLSLFSYDDKWVSVMERPKTCGDHPIRFY
ARDSGLLKFEIQAGLLGRPINHTVRRLVAFTFHPFEPFAISVQRTNAEYVVNFHMRHCCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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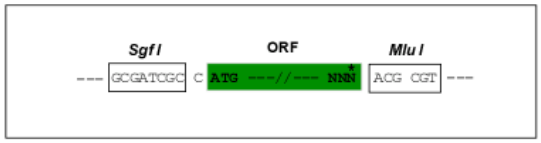
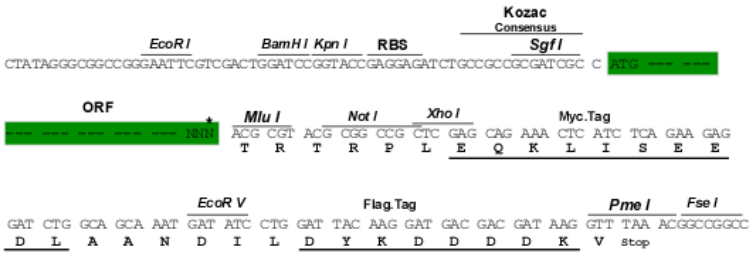
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN: NM_001144074

ORF Size: 1650 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_001144074.3

RefSeq ORF: 1653 bp

Locus ID: 55070

UniProt ID: Q7L5Y6

Cytogenetics: 15q26.1

Protein Pathways: Ubiquitin mediated proteolysis

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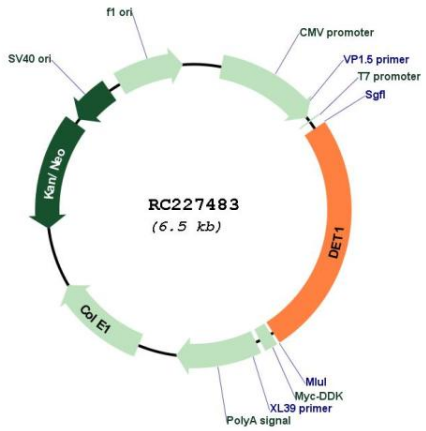
MW: 63.7 kDa

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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227483

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