

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCATCATGTTTCTACCATCAAGCCTCGAAGAATCCAAAACCAAATGTCATTACCAGCTTGGAAC
 GCCGGCGGATCAGTTCAGGCAAGGCAGGTACCCACTGGCACCAAGTCCGAGTGTTCCATCAGAATGTCTT
 CCCCAACTTCACAGTTGTCAACGTTGAAAAGCCTCCTTGTTCCTGCGTAAATTCACCTGATGGACGC
 TACTTTATTGCTTTTTCTCAGACCAGACATCTTTGAAATCTATGAGTACCAGGGCTGCCAGGCAGCAG
 AGGACCTACTGCAGGGATACGAAGGAGAAATCCTGTCCAATGGCAATGACCAGCGGTGAGTGAATATCCG
 GGGCCGGCTCTTTGAACGCTTTTTGTCTGCTGCACATTACCAATGTTGCGGCAATGGTGAGCACCTG
 AACCGGGAGTGTAGTCTTCTCAGTACTGCTGCTGTCATCGTGGGCTCAGCTGCCTACCTCCAG
 ATGAGCCTCACCTCCATTTTTGAGGTATATCGGAACAGTGAATCAGTGACCCCAACCCAGGTCCCC
 TCTAGAAGACTATCCCTCCATATCATTGACCTCACACCGCGCCTTATGTGATACACGCACGTTCAAG
 TGTGACAAGTGGTCTTGTACACAACCAAGGGCTGACTTGTACAAAAACATCCTGGCCATCTTGTCTG
 TGCAACAACAGACCATCCATGTCTTCCAGGTGACTCCTGAAGGCACTTTCATTGATGTGGGACCATTGG
 CCGTTTTGCTATGAGGATGACCTGCTCACTGTGTGAGCTGTTTTCCCTGAGGTACAGCGGGACAGTCA
 ACAGGCATGGCCAATCCCTTTAGGGATCCTTTCATCAATCCCTCAAACACCGGTTGCTGGTATATTTGT
 GGGCCGGGCAGAACAGGATGGTAGTGCATGGCAAGAGGGCCTTCTCCAGTATTTTGACCAACTGCG
 GCAGCTGCGAATGTGGAAAATGCAGCTTCTGGATGAAAACACCTGTTTATCAAGTACACTAGTGGAT
 GTAGTAACACTGCGAGTACAGATCCATCACAGGCATCTTCTTGTGGTGTACAATATGGTGACGACAG
 AGGTGATGTGTGTTGAGAATACATCAGATGAGCTTTTGGAGCTTTTGAAGCTTTTGAAGCTTTT
 TCGTAATGCTACCTGCACAGTGAAGTTAGTTTCCCTGCTCAGCTTCTAGCAACAATTTTGAAGGCAG
 ATCCAGCGCCGGTTCAAAGACACTATTATAAATGCCAAGTATGGAGGGCACACAGAGGCAGTACGCCGGC
 TGCTGGGTGAGCTCCCCATCAGTCTCAGTCTTACAGCGGTAGCCCTATCTGGATTTGTCTCTCTCAG
 TTATGATGACAAGTGGGTATCTGTGATGGAGCGGCCAAGACTTGTGGAGATCACCCAATCAGGTTCTAT
 GCCCGGGACTCGGGCCTGCTCAAGTTTGGATCCAGCGGGGTTATTGGCGGCCCATCAACCACACAG
 TGCGACGCCTTGTGCTTACCTTTACCCTTTGAGCCTTTCGCTATTTCTGTGCAGAGGACTAATGC
 TGAGTATGTTGCAACTCCATATGCGACTGCTGCAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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

MDHHVSTIKPRRIQNQNVIHRLERRRISGKAGTHWHQVRVVFHQNVFPNFTVVNVEKPPCFLRKFS
 PDGR YFIAFSSDQTSLEIYEYQGCQAEDLLQGYEGEILSNGNDQRSVNI
 RGRLEFFVLLHITNVAANGEHL NRECSLFDDCRCVIVGSAAYLPDEPHPPFFEVYRNSESVTPNPRSPLE
 DYSLHIIDLHTGRLCDTRTFK CDKVVL SHNQL YLYKNILAILSVQQQTIHVFQVTPEGTFIDVRTIGR
 FCYEDDLLTVSAVFPEVQRDSQ TGMANPFRDPFINSLKLRLLVYLWRRAEQDGSAMAKRRFFQYFD
 QLRQLRMWKMQLLDENHLFIKYTSED VVTLRVTDPSSQASFFVVYNMVTTEVIAVFENTSDE
 LLELFENFCDLFRNATLHSEVQFPCASSNNFARQ IQRRFKDTIINAKYGGHTEAVRRLQLPI
 SAQSYSGSPYLDLSLFSYDDKWVSMERPKTCGDHP
 IRFY ARDSGLLKFEIQAGLLGRPINHTVRRLLVAFTFHPFEPFAISVQRTNAEYVVNFHMRHCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

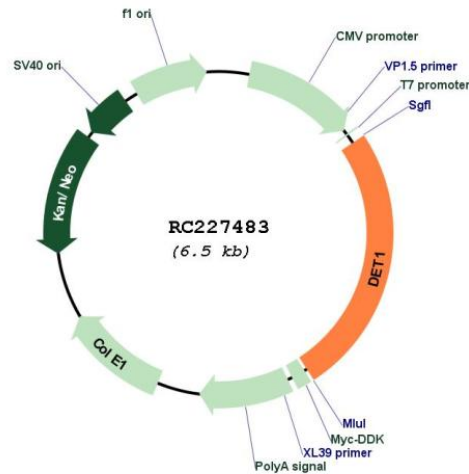
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


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

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]