

Product datasheet for **SC325191**

DET1 (NM_001144074) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DET1 (NM_001144074) Human Untagged Clone
Tag: Tag Free
Symbol: DET1
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001144074, the custom clone sequence may differ by one or more nucleotides

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ATGGATCATCATGTTTCTACCATCAAGCCTCGAAGAATCCAAAACAAAATGTCATTAC  
CGCTTGGAAACGCCGGCGGATCAGTTCAGGCAAGGCAGGTACCCACTGGCACCAGTCCGA  
GTGTTCCATCAGAATGCTTCCCAACTTACAGTTGTCAACGTTGAAAAGCCTCCTTGT  
TTCTTGGCTAAATTCTCACCTGATGGACGCTACTTTATTGCTTTTTCTTCAGACCAGACA  
TCTTTGAAATCTATGAGTACCAGGGCTGCCAGGCAGCAGAGGACCTACTGCAGGGATAC  
GAAGGAGAAATCCTGTCCAATGGCAATGACCAGCGGTCAAGTGAATATCCGGGGCCGGCTC  
TTTGAACGCTTTTTGTCTGCTGCACATTACCAATGTTGCGGCCAATGGTGAGCACCTG  
AACCGGGAGTGTAGTCTTTCACCTGATGACTGCCGCTGTGTCTCATCGTGGGCTCAGCTGCC  
TACCTCCCAGATGAGCCTCACCTCCATTTTTTGGAGTATATCGGAACAGTGAATCAGTG  
ACCCCCAACCCACGGTCCCCTCTAGAAGACTATCCCTCCATATCATTGACCTTCACACC  
GGCCGCTTATGTGATACACGCACGTTCAAGTGTGACAAGGTGGTCTTGTACACAACCAA  
GGGCTGTACTTGTACAAAAACATCCTGGCCATCTTGTCTGTGCAACAACAGACCATCCAT  
GTCTTCCAGGTGACTCCTGAAGGCACTTTCATTGATGTGCGGACCATTGGCCGCTTTTGC  
TATGAGGATGACCTGCTCACTGTGTGAGCTGTTTTCCCTGAGGTACAGCGGGACAGTCAG  
ACAGGCATGGCCAATCCCTTTAGGGATCCTTTCATCAATCCCTCAAACACCGGTTGCTG  
GTATATTTGTGGCGCCGGCAGAACAGGATGGTAGTGCAATGGCCAAGAGGCGCTTCTTC  
CAGTATTTTGACCAACTGCGGCAGCTGCGAATGTGAAAAATGCAGCTTCTGGATGAAAAC  
CACCTGTTTATCAAGTACACTAGTGAGGATGTAGTAACACTGCGAGTCACAGATCCATCA  
CAGGCATCTTTCTTTGGTGTACAATATGGTGACGACAGAGGTGATTGTGTGTTTGGAG  
AATACATCAGATGAGCTTTTGGAGCTCTTTGAGAACTTCTGTGACCTTTTTCGTAATGCT  
ACCCTGCACAGTGAAGTTCAGTTCCCTGCTCAGCTTCTAGCAACAATTTTGAAGGCAG  
ATCCAGCGCCGGTTCAAAGACACTATTATAAATGCCAAGTATGGAGGGCACACAGAGGCA  
GTACGCCGGCTGCTGGTCAGCTCCCCATCAGTGCTCAGTCTTACAGCGGTAGCCCTAT  
CTGGATTTGTCTCTTTCAGTTATGATGACAAGTGGGTATCTGTATGGAGCGGCCCAAG  
ACTTGTGGAGATACCCAATCAGTTCTATGCCCGGGACTCGGGCCTGCTCAAGTTTGGAG  
ATCCAGCGGGGTTATTGGGCCGCCCATCAACCACACAGTGCAGCGCTTGTGCTTC  
ACCTTTACCCTTTTGGCCTTTGCTATTTCTGTGACAGGACTAATGCTGAGTATGTT  
GTCAACTCCATATGCGACACTGCTGCACG
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Restriction Sites: Please inquire



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ACCN:	NM_001144074
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_001144074.1</u> , <u>NP_001137546.1</u>
RefSeq Size:	2273 bp
RefSeq ORF:	1653 bp
Locus ID:	55070
UniProt ID:	<u>Q7L5Y6</u>
Cytogenetics:	15q26.1
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' region compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>