

## Product datasheet for **SC216674**

### ZNF451 (NM\_015555) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ZNF451 (NM_015555) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ZNF451
Synonyms:	COASTER; dj41711.1
ACCN:	NM_015555
Insert Size:	1866 bp



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**Insert Sequence:** >SC216674 3'UTR clone of NM\_015555  
The sequence shown below is from the reference sequence of NM\_015555. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTATTAGAAGAAGTCTTGAGGAAATGTAATTAAGATATTACCACACAACATCAAGTGGCCTTGAAGA
GACTGAGATAACGAATTCTTGAGTTTGTCTAAAGGAGACCAGAAATCCACTATTACAATGTATTT
GAAAACATGTTTTGCTTTCATATGTTCAAATCTGATCTTTGTTTTGTATTTTTGTGCTAATGTGCAA
ACATGTACAGAAGAAATAGAATACATGTTTCATGCAAAATATAAATTATGTATTCTAATATAGGTGTAACA
GTTTCCCAGTTAACTTTGAATTTATATTTAGATTTAAAGGATTAAGGAAAGGAAAGCTCTTGACAG
TTGTTTCCCAAATAGCATTAGTTCTTTAATTTTATTTGACTGTACAAATGATGCTAGTTTATTTTTT
AGCAGTGAAGAAATGAATATAAAAAAGGTGACATAGGTCAAGTTTTCCATAAATTCTACTTCTCATGTGGC
ACTATTATATAATACCTTTGAGATCTTTGTTTATGTTTATTAGAAGGGTAATGGAAGCTGATCATGG
AAACATTTAAATTTTATCAGCAATGTTCTTTGTGGGTGCCATGCATATGTAATTTATTGCTTTAATTA
GAGCAGCACATTGCTAAAATAAAAAATACACCTTAATTTTTAAGAAATAATTTAAATGAAACAATTTCC
ATTCCTTTTACCTGCTTAGACTTTTATGTGACTTGTATGGTCTCCTGGTTAAAGGGAATGGTGTGAGAA
TATTTGCATAAAATATTTTTTATAACAGTCTTTTTTATATTTGGTGTAAACATAATATTCTTCAAG
AAATAATGTTGAAAGCCTACTCAGGAATAATCTTCCTTAACTCTTTAAATTTTTATTTCATGTGAAGTG
TTTTCAGTTTAGTTATTTCACTGAATTGTCAGTTTCTTTCATTTGGTATTACATATTTAATTTCTAAATA
TTGAGGCCCATTTGTGAGTAATAAAAAATACGACATAAGTAGAAGACTAAGAAGGCTTGCATATTAT
CTTTGTATATGCTTCATGTTATTTAACCAGAAATGTCTTATCTTAAAAATTTTTAGTAGTAATTAT
TTACCAAACCTTAAAAACATTTCTATAAAATATAAAGCTTTTCTTTTATTTAAGACAAAATATAAAGGCT
AGAATTTGGTTCCTTCTCTGTAACACTAAATTTTTAGTGTGAAATTGAATTTTTTATTACTATAGTC
TTTTCAATCTATAATTTGTGTTTTAATTTCTTGATATGTCACCTTCTGTTCCCTCCTGCTTGCATTTTT
TAAAAACTAGACATTGTGGCTTGAGAATTTATCAATCATCTTTCCGAAATGACCACATTGTGCTTTTAG
TTTGTATGTTAAGTGGTCAAGCAAGGCTCTAGGAGGTAGTCACTGAGCTGGACCTTAAACACATCTGC
AGGAGCTCACAAATGGGAGCAAAGAGGCATTCCAGAAAGAAGAGTAGTTAAGCAGATGTGGGGCAG
GGCAAGAGGAGACAGCACCTTGTGCCAGAGATTCTACACAAAGGTGTGATGGACTGATGCTCTATT
AAGAAGCTTTTGGTGTGTGTTAGAGAATAATTAAGGCTTCTGATAAGACAGGAAAGGATATTTTC
ATCATGACTGTTAAGAAAAGGTAAGTGGTGTGTTAATGTTTTAATTGATAATTGCACTGATCGTATT
TCTACTTGTAAATAATTAATAATCATCTTAAATTCATACTTTGACTTTAATTTAGACACAAGGAGAT
GTAATCGCTGTGAACATCAGAGAAAGCTATATGGATTATCGTCAGAAGTAAATGTTTCTAACATTGAC
AAA
ACGCGT AAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_015555.3](#)

**Summary:** E3 SUMO-protein ligase; has a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483).[UniProtKB/Swiss-Prot Function]

**Locus ID:** 26036

**MW:** 73