

Product datasheet for **SC302171**

NARG2 (ICE2) (NM_001018089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NARG2 (ICE2) (NM_001018089) Human Untagged Clone
Tag:	Tag Free
Symbol:	NARG2
Synonyms:	BRCC1; NARG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC302171 representing NM_001018089.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAAACATGTGAACGAAGAAGTTACTGAGTTCCTAAAGTTTTTGCAGAATTCGCAAGAAATGT
GCGCAGGATTATAATATGCTTTCTGATGATGCCCGTCTCTTCACAGAGAAAATTTAAGAGCTTGCAAT
GAACAAGTGAAAAAGTATTCAGAATCTATACTCTCCACGAGGTACCAGCTTAATGGGATTCTTCCCA
TTCAGAGTAGAGATGGGATTAAGTTAGAAAAAATCTTCTCGCATTGGGCAAGTGTAAAAATATGTAAA
ACAGTATTTCCCTCAATGCCTATAAAGTTGCAGCTGTCAAAGGACGATATAGCTACCATTGAAACGTCA
GAACAAACAGCTGAAGCTATGCATTATGATATTAGTAAAGATCCAAATGCAGAGAAGCTTGTTCCAGA
TATCACCTCAGATAGCTCTAACTAGTCAGTCATTATTTACCTTATTAATAATCATGGACCAACGTAC
AAGGAACAGTGGGAAATCCAGTGTGTATTCAAGTAATACCTGTTGCAGGTTCAAACCAAGTTAAAGTA
ATATATATTAATTCACCACTTCCCCAAAAGAAAATGACTATGAGAGAGAGAAAATCAAATCTTTCATGAA
GTTCCATTAATAATTTATGATGTCCAAAAACACATCTGTTCCAGTCTCTGCAGTCTTTATGGACAAACCT
GAAGAGTTTATATCTGAAATGGACATGTCTGTGAAGTCAACGAGTGCCGAAAAAATTGAGAGTCTTGAA
AACTTGATTTGGATTTTGTATGATGTGCACAGAACTTGAAACTTTTGGAGTAACCAACCAACCAAGTA
TCAAAATCACCAAGTCCAGCAAGTACTTCCACAGTACCTAACATGACAGATGCTCCTACAGCCCCAAA
GCAGGAACATACTGTGGCACCAGTGCACAGACATTTCTGCTAATCTAGAAGTTTATCTCAGATT
CTGATGGAACAATTGCAAAAGGAGAAACAGCTGGTCACTGGTATGGATGGTGGCCCTGAGGAATGCAAA
AATAAAGATGATCAGGGATTTGAATCATGTGAAAAGGTATCAAATTCGACAAGCCTTTGATACAAGAT
AGTGACTTGAAAACATCTGATGCCTTACAGTTAGAAAATCTCAGGAAATGAAACTTCTAATAAAAAAT
GATATGACTATAGATATATTACATGCTGATGGTGAAGACCTAATGTTCTAGAAAACCTAGACAACCTCA
AAGGAAAAGACTGTTGGATCAGAAGCAGCAAAAAAATGAAGATACAGTTCTCTGCAGCAGTGATACAGAT
GAGGAGTGTTTAATCATTGATACAGAATGTAAAAATAATAGTGATGGAAGACAGCTGTTGTGGGTCT
AACTTAAGTTCCAGACCAGCTAGTCCAAATCTTCTCAGGACAGGCTTCTGTAGAAACCAGACTAAT
ACTGCTTGTAGTCTGAAGAGTCATGTGTTTTAAAAAACCTATCAAACGAGTATATAAAAAATTTGAT
CCAGTTGGAGAGATTTTAAAAATGCAGGATGAGCTCTTAAAGCCAATTTCCAGAAAAGTACCAGAATTG
CCCTTAATGAATTTAGAAAATCTAAACAGCCTTCTGTTTCTGAGCAATTGTCTGGTCTTCAGACTCC
TCTAGTTGGCCGAAATCTGGATGGCCTTCTGCATTTCAGAAGCCAAAAGGACGATTGCCATATGAACCT
CAGGACTATGTTGAAGATACATCGGAATACCTAGCTCCTCAGGAAGGAAATTTTGTATTAAGTTATTT
AGCCTGCAAGACCTGTTGTTACTCGTACGCTGCAGTGTCCAGAGGATAGAGACAAGACCAGTTCTAAA
AAACGGAAGAAAATCAGAAGACAATTTCCAGTTTATGTACTACCAAAAGTAGAGTATCAAGCTTGTAT
GGAGTTGAAGCTCTGACTGAAAGTGAACCTTGTGCTTATGGACTGAAAGTTTATTGCATTCCAACAGC
TCATTTTATGTTGGCATATCGATGCATTTACTTCAAACTTTTTCTACTGGAAGAAATTACCTCAGAA
GAATTAAGAGAAAAGCTTTCAGCACTCAAGATTTCCAATTTATTTAACATCTCCAACACATTCTAAAG
AACTAAGTAGCTTGCAAGGAGGTTCTACTTGTATCTCATGCAGCAGAAGATCTTCACTCCTGATT
TATAAGGCCTCTGATGGAAGTTACTAGGACAGCATACAATTTGTATAAAACACATTGCGGCCTTCCT
GGTGTACCTTCCAGTCTCTCAGTCCCTGGGTCCCATTAGATCCAGCCTGTTATTACCATATCATATC
CATCATGGAAGAATACCTTGACTTTTCCACCGAAATCACTGGATACCACAACACAACAAAAGATTGGT
GGAACGAGAATGCCTACACGCAGCCACAGGAATCCAGTTTCCATGGAACCAAAAGCAGTTGCTTGCCCT
GCTCAGCAAGTTGAAACTGAAGGAGTGGCTCCACATAAAAGAAAAATAACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI
ACCN: NM_001018089
Insert Size: 2538 bp

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:	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_001018089.2</u>
RefSeq Size:	7081 bp
RefSeq ORF:	2538 bp
Locus ID:	79664
UniProt ID:	<u>Q659A1</u>
Cytogenetics:	15q22.2
Protein Families:	Druggable Genome
MW:	94.5 kDa
Gene Summary:	This gene encodes a protein component of the little elongation complex (LEC), which plays a role in small nuclear RNA (snRNA) transcription. The LEC regulates snRNA transcription by enhancing both RNA Polymerase II occupancy and transcriptional elongation. The encoded protein and other LEC components have been shown to localize to Cajal bodies, which are sites of ribonucleoprotein (RNP) complex assembly. Pseudogenes of this gene have been identified on chromosomes 3 and 4. [provided by RefSeq, May 2017] Transcript Variant: This variant (2) uses an alternate splice site in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.