

Product datasheet for **SC316025**

CACTIN (NM_021231) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CACTIN (NM_021231) Human Untagged Clone
Tag:	Tag Free
Symbol:	CACTIN
Synonyms:	C19orf29; fSAPc; NY-REN-24
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021231, the custom clone sequence may differ by one or more nucleotides

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ATGGGTCGGGACACAGCTCGCGCTCGCGGTCCGCGGGTCGCGGGGCCGAAGGCGGCAG
AGTCAGAGCGGGAGCCGAAGTCCGAGCAGGAGCCATGGGCGGGCAAACCGACGGCGCCGG
GAGGACGAGGGACGGCGCAGACGGAGGCGGGAGCCGGAGCGCAGGTCAAGTTCAGAG
GAAGAGCGGTGGCAGCGCTCAGGGATGCGAAGCCGGAGCCCCCGCGGCCAAGTGGCAC
TCAAGAGATGGGTCTCTCAGTCGGACTCAGGAGAGGAGCAGTCACGGGGCCAGTGGGCT
CGCCGGCGACGGCGGCACGCTCGTGGTCTCCTAGCTCCTCAGCATCCAGCTCCGCGTCT
CCAGGGCGATCCCAGAGCCCCGGGGCGGCGGCTGCCCTGAGCCAGCAGCAGAGCCTG
CAGGAGCGGCTGCGGCTGCGGGAGGAGCGGAAGCAGCAGGAGGAGCTGATGAAGGCTTC
GAGACGCCGAGGAGAAGCGGCACGGCGGCTGGCCAAGAAGGAGGCCAAGGAGCGCAAG
AAGCGGGAGAAGATGGGCTGGGGTGAAGGAGTACATGGGCTACACCAACACCGACAACCC
TTCGGAGACAACAACCTGCTGGGCACCTTCATCTGGAATAAGGCCCTGGAGAAGAAGGGG
ATCAGCCACCTGGAGGAGAAGGAGCTGAAGGAGCGGAACAAGAGGATCCAGGAGGACAAC
CGGCTGGAGCTGCAAGAAGGTGAAGCAGCTGCGGCTGGAGCGGGAGCGGGAGAAGGCCATG
CGCGAGCAGGAGCTGGAGATGCTGCAGCGCAGAGAAGGAGGCAGAGCACTTCAAGACATGG
GAGGAGCAGGAGGACAACCTCCACCTCCAGCAGGCCAAGCTGCGTTCAAGATCCGCATC
CGGGACGGGCGGGCCAAGCCCATCGACCTGCTGGCCAAGTACATCAGCGCTGAGGATGAC
GATCTGGCCGTGGAGATGCATGAGCCCTACACGTTCTCAACGGCCTCACCGTGGCCGAC
ATGGAGGACCTGCTGGAGGATATCCAGGTCTACATGGAGCTGGAGCAGGGCAAGAAGCC
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GAGGCCCTCGGGCAAGGGGCCAGGTGAGCGCCGCGAGGGGGTCAACGCCTCCGTCACTCT
GATGTGCAGTCGGTGTTCAGGGGAAGACATAACAACAGCTGCAGTGCATCTTCCAGGGC
ATCGAGGGCAAAATCCGCGCTGGTGGCCCAACCTGGACATGGGCTACTGGGAGAGCCTC
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CTGCGGCAGAAGCTGTACAACTGAAGCAGGAGCAGGGCGTGGAGAGCGAGCCGCTGTTC
CCCATCTCAAGCAGGAGCCCCAGTCCCCAGCCGACGCTGGAGCCTGAGGACGCGGGC
CCCACCCCGCCGGGCCCTCCTCGGAGGGCGGCCCGCGGAGGCCGAGGTGGACGGCGCG
ACCCCGACAGAGGGGACGGCGACGGGGACGGTGAGGGCGAGGGCGAGGGCGAGGCGGTG
CTCATGGAGGAGGACCTGATCCAGCAGAGCCTGGACGACTACGACGCCGCGAGGTACAGC
CCGCGGCTGCTCACGGCGCAGGCTGCCACTGGACGCGCACGTGCTGGAACCGGATGAG
GACCTGCAGCGCCTGCAGCTCTCGCGCCAGCAGCTCCAGGTACGCGGAGACGCCAGCGAG
AGCGCCGAGGACATCTTCTCCGGCGGGCCAAGGAGGGCATGGGCCAGGACGAGGCGCAG
TTCAGCGTGGAGATGCCACTCACCGGAAGGCCTACCTGTGGGCCGACAAGTACCGGCCA
CGCAAGCCGCGCTTCTTCAACCGCGTGACACGGGCTTCGAGTGGAAACAAGTACAACCAG
ACGCACTACGACTTTGACAACCCACCGCCAAGATCGTGCAGGGATACAAGTTCAACATC
TTTACCCCGACCTCATCGACAAGCGCTCCACGCCCGAGTACTTCTGGAGGCTGCGCC
GACAACAAGGATTTGCCATCTGCGCTTCCACGCGGGGCCCTACGAGGACATCGCT
TTCAAGATCGTCAACCGCGAGTGGGAATACTCGCACCGCCACGGCTTCCGCTGCCAGTTT
GCCAACGGCATCTCCAGCTGTGGTTTCACTTCAAGCGCTACCGCTATCGGCGG

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Restriction Sites: Please inquire

ACCN: NM_021231

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:	NM_021231.1 , NP_067054.1
RefSeq Size:	2689 bp
RefSeq ORF:	2277 bp
Locus ID:	58509
UniProt ID:	Q8WUQ7
Cytogenetics:	19p13.3
Gene Summary:	<p>Involved in the regulation of innate immune response. Acts as negative regulator of Toll-like receptor and interferon-regulatory factor (IRF) signaling pathways. Contributes to the regulation of transcriptional activation of NF-kappa-B target genes in response to endogenous proinflammatory stimuli. May play a role during early embryonic development. Probably involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>