

Product datasheet for **SC316801**

CABLES1 (NM_001100619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CABLES1
Synonyms:	CABL1; CABLES; HsT2563; IK3-1
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF:	>NCBI ORF sequence for NM_001100619, the custom clone sequence may differ by one or more nucleotides <pre> ATGGCGGCGGCGGCGGCGGCCACACGGCCGCTGCAGCAGCGGCAGCGCCGCGCACC GACGCCGCGGGCGCCAGCGGATTGCAGCAGCCGCGCGCAGCCCCAGCCTCAGCCCCGCG GCCGCGCGGCGGCCAGCGCGCCGCAACCCCCGGAAGCCGCGCATGGACCCGCGG CGCCGCGCAGGCTGCCCTCTCCTTCTCACCAACATCTCGCTGGACGGCCGGCTGCCGCGG CAGGACGCGGAGTGGGCGGTGGCGAGGAGGGCGCGGCCAAGCCGGGCGCCGCGGCG GCCTGCGGCGCGAGGACTCGGTTCAGCTTGCTCGCCGCTGCCGAGCGGGCGGCTGCATC GCGCTCGCCGCGCGGCGCACGCCGGCTGCGGGGTAGCCGCTGGGTCCGGCCCCCTGCCTC CCACAGCCCTCGTCTGCTGCCGCCCTTGATTCTTGGCGGCCATGCGACCGTGTCCGGCCCC GGGGTGGCGGGGGTTTCGCGAGTCCCTTGGCGCCGGCCGGGCGTCGGGGGAGCAGTGG CAGCCGCCCGCGCGCGCCCTCTCGCCGCTGTGCCCAACTGCAGCTGCTCGACGGGTCC GGGGCCCGCGGCGAGGAGTGGAGGAGGACGATGCCTTTATCAGCGTGCAGGTGCCG GCGGCCGCTTTTTGGGCTCCGGGACCCCGGGAGTGGGAGCGGCAGTCGGGGACGCCTC AACTCGTTCACTCAGGGAATCCTGCCCATCGCCTTCTCCAGGCCGACTTCGAGAATACTAC TGCTCCTTGAGCAGCCAGGCCAGGCGGCGAGCACCAGCGCCTTCGAGCAGCTGCAGAGG TCCCGACGCGCCTCATCTCCAGAGATCTTCTTGGAGACCTGGAAGATATTGAGGAG AACGCCCTCTCCGGAGATGTCGAACCTCTCAGGTTACCCAGACCAAGAATTTTAAG AAGATTCATTTATCAAGAATGCGGCAACACGATACCAGGAATGGCAGAATAGTCCTT ATCAGTGCGCAGAAGATCTTCTGTAGTATATTTTCAGTGCTGCCGTATCGCGACAGTACC CAAGTCGGGGACTTGAAGTTGGACGAGGAAGACAATCAACTGGTGCAGTGAGTTTGAAG GAGATCATTGGTCTGGAAGGTGTGGAGCTGGGTGCTGATGGGAAGACTGTTTCCTATACC CAATTTCTGTATCCCAACAATGCCTTTGGAGCCCGGAGAAATACCATAGACTCCACCTCC TCTTTCTCCAGTTCCTGAACCTGAGCCACCGCAGCCTCTCCATAGCCCGGGCAAGCGGC ACCCAGGGGAGCCTCGACACAGGTAGTGACCTGGGAGACTTTATGGAATATGACCCAAAT CTCTTGGATGACCCCCAGTGGCCTTGTGGCAACACAAACGCGTTCGTATCTTCCCTTCC TACATGACAACAGTGATTGACTACGTGAAGCCCTCGGATCTCAAGAAGGACATGAACGAG ACCTTCAAGGAGAAGTTTCTTACATTAAAGCTGACACTCAGCAAAATTAGGAGTCTGAAA CGAGAGATGCGGAAGCTTGGCGAGGAGGACTGTGCCCTTGGAGAGCCACGGTGGCCATG GCCTTCGTCTACTTTGAAAAGCTCGCCCTCAAGGGGAACTCAACAACAGAACCGGAAG CTGTGTGCTGGGCGATGTGTGCTGTAGCAGCCAAAATTGGAAGTGACCTCAAAAAACAC GAAGTCAAGCATTTAATTGACAACTGGAAGAGAAGTTCCGGCTGAACAGGCGAGAAGTGA ATTGCTTTTGAATTCCTGGTGTAGTGGCCTTGAATTCGCCCTCCACTTGCCCGAGCAC GAAGTCATGCCCCACTACAGACGGCTGGTCCAGAGTTCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001100619
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001100619.1, NP_001094089.1</u>
RefSeq Size:	1902 bp
RefSeq ORF:	1902 bp
Locus ID:	91768
UniProt ID:	<u>Q8TDN4</u>
Cytogenetics:	18q11.2
Gene Summary:	This gene encodes a protein involved in regulation of the cell cycle through interactions with several cyclin-dependent kinases. One study (PMID: 16177568) reported aberrant splicing of transcripts from this gene which results in removal of the cyclin binding domain only in human cancer cells, and reduction in gene expression was shown in colorectal cancers (PMID: 17982127). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012] Transcript Variant: This variant (2) uses an alternate first exon that contains the translation initiation site, resulting in an isoform (2) with a distinct N-terminus.