

Product datasheet for **SC322553**

CABLES1 (NM_138375) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABLES1 (NM_138375) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABLES1
Synonyms:	CABL1; CABLES; HsT2563; IK3-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for SC322553
 GGCCATTTTTCTTCTCGTGTGTTGAATGACTCATAAAATGAGTTTGGAGTGGTCTGAAGC
 CTCTGCCTCCTTCCTTGAATGCTTTCTAAGAGGGGCTGCCATGCAAGAATATATGCTGAT
 TTTCCCATACGGCGCCTCATCTCCAGAGATCTTCCTTGGAGACCCTGGAAGATATTGAG
 GAGAACGCCCTCTCCGGAGATGTGCAACTCTCTCAGTTTCAACCAGACCAAGAATTTT
 AAGAAGATTCATTTTATCAAGAACATGCGGCAACACGATACCAGGAATGGCAGAATAGTC
 CTTATCAGTGGCAGAAGATCCTTCTGTAGTATATTTTCAGTGCTGCCGTATCGCGACAGT
 ACCCAAGTCGGGGACTTGAAGTTGGACGGAGGAAGACAATCAACTGGTGCAGTGAGTTTG
 AAAGAGATCATTGGTCTGGAAGGTGTGGAGCTGGGTGCTGATGGGAAGACTGTTTCTAT
 ACCCAATTTCTGTTACCCACAAATGCCTTTGGAGCCCGGAGAAATACCATAGACTCCACC
 TCCTCTTTCTCCAGTTCGGTAACCTGAGCCACCGCAGCCTCTCCATAGGCCGGGCAAGC
 GGCACCCAGGGGAGCCTCGACACAGGTAGTGACCTGGGAGACTTTATGGACTATGACCCA
 AATCTCTTGGATGACCCCACTGGCCTTGTGGCAAAACACAAACGCGTTCTGATCTCCCT
 TCCTACATGACAACAGTGATTGACTACGTGAAGCCCTCGGATCTCAAGAAGGACATGAAC
 GAGACCTTCAAGGAGAAGTTTCTCACATTAAGCTGACACTCAGCAAAATTAGGAGTCTG
 AAACGAGAGATGCGGAAGCTTGGCAGGAGGACTGTGGCCTTGAGGAGCCACCGTGGCC
 ATGGCCTTCGTCTACTTTGAAAAGCTCGCCCTCAAGGGGAAACTCAACAAACAGAACCGG
 AAGCTGTGTGCTGGGGCATGTGTGCTGTAGCAGCCAAATTTGGAAGTGACCTCAAAAAA
 CACGAAGTCAAGCATTTAATTGACAACTGGAAGAGAAGTTCCGGCTGAACAGGCGAGAA
 CTGATTGCCTTTGAATCCCGGTGTAGTGGCCTTGAATTGCGCCTCCACTTGCCCGAG
 CACGAAGTCATGCCCCACTACAGACGGCTGGTCCAGAGTTCCTAGCACTGGCCCCGAGGA
 CAGCCAAGGGCCATTTCTTCTCAGCTTGGTGGAGCAGCACTTACTTACTGGAATGA
 AAAAAAGTAGAACTCAGAATACCAGACTTTTCTCCTCTCGACATAGTTTGGGGAGAAGC
 AGTACTAGAAACTTTCCAAGGAGTCTTGGGTGTGTAGCCAAGAGAGGCCATGAGCTATGG
 ACTCCTCAAGCACGGGAAGAGGAGGTGTGTGCTGAGAACAGAGAGGCCCTGCCCTCTGTC
 CACTAGCGAGAATCCCTAGCTGCCCCAGCCAGTCTTTCTCCCGGCATTCAAACTTT
 GCAAGCGTGGTCCAGGGCCTTCTCCAGATCTGTTCCAATTGGAGTGTGAAGGGCTTGAG
 CATACGGGGGAAGAGAGTCTGCAGAAGTTGGGGGAAAACTTTTAAAGATACCCTCATTG
 TGTCAAAGAGTGTGCAATCTATTTTGTATCAGCATTGGAAGTGCACTTTCCCTGGGG
 CGTGTGGGTGTGTAATGTGCAAGTGTCTGAGAGATACTGCATCAGCCCTAGACCCCGAG
 AGCCAGTCCCGCCCTTTACAGAGCAGCCCTTAGCCTGGGGCCATGGGTCAGGCTGACCTT
 CAACAATTATTTCTAGATGATTTCTGGATAAGAATTGCTCTCTCGGTACCAGACAGTTTG
 ACATCCTCCACCTTAGAAAATGACTGACATTGTTTTGTTACTGCTCCTACCCACCAAGG
 GGATAAAGAAGGCGAGTTCTGAGTGTGGATGAGTCAGTCGCGTGAAGGACGTGGAGCG
 TGGCGCTCTGTAACCTTCTGCCGTCTGCCACCCCGCCACGTGTATTTAACCTCGCACTT
 TCTCCACTGTGGAGATGGCTGGGCGGCGCCCCACAGTGTGTATTCCTGTCCTCTATGTT
 AGAGTGTCATCAGAAGCACATTTACTGTGCTATTTATATCGCTATATAAAAGTGTTTTATA
 AAAACCCAGAATAGGAGCCCGACGCATGATTGGTGTGTTGAGGCGTTTGCCAGCTGGGACA
 AACTGCGTTTGGAGCTGTGGTTAAGCTGACTAAGGAGGCGGTGGCTTTTCTTAACATTC
 CCAGTGCCAGGGCTGTTTCATGCAAGATTTTAATGGTGACTTGTCTGGCTTACTGGGA
 CAGTCTGTATGAGGCATGTCAACCACTGTGCGCTCATAGCTGCAAGAGAGAGGCCACGAG
 CTGAAGTTCCCTGACTGAAGAGAGCCTGTGGCCATGTAAAAAGAGAATTAACCTCTGT
 TGCTTTTTGTAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_138375

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_138375.1</u> , <u>NP_612384.1</u>
RefSeq Size:	2523 bp
RefSeq ORF:	1107 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 (1) uses an alternate first exon that contains the translation initiation site, resulting in an isoform (1) with a distinct N-terminus.