

Product datasheet for **SC323728**

ABRAXAS2 (NM_032182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABRAXAS2 (NM_032182) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABRAXAS2
Synonyms:	ABRO1; FAM175B; KIAA0157
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_032182.2
TTCCATCATGGCGGCTCCATTTTCGGGCTACACCTTCAGTGCTGTGTGTTCCACAGCGC
CAACAGCAACGCGGACCACGAAGGATTTTTACTGGGAGAGGTAAGACAAGAGGAAACGTT
TAGCATCAGTGACTCACAAATCAGCAACACAGAATTTCTGCAAGTAATTGAAATCCATAA
CCATCAGCCTTGTCAAACCTTTTTAGTTTTATGACTACGCAAGCAAAGTGAATGAGGA
GAGTTTTGGACAGGATTCTTAAAGATCGGAGAAAAGAAAGTCATTGGGTGGTACAGATCCG
GCGCAATACGCAGCAGCAGATGTCCTACAGAGAGCAGGTTCTTCAAGCAGCTCACCCG
CATCTCGGCGTGCCCGACCTCGTCTTTCTTCTTTCAGCTTCATCTCCACTGCCAACAA
TTCCACTCAGCCTTTAGAATATGTGCTCTTCAGACCAAATAGAAGGTATAATCAGAGGAT
ATCACTCGCTATTTCCCAATCTAGGAAATACTAGCCAGCAAGAGTACAAAGTGTCTTCAGT
GCCAAATACTTCTCAGAGTTATGCCAAAGTGATTAAGAACATGGTACTGACTTTTTTGA
CAAGGATGGAGTGATGAAAGACATCAGGGCGATTTATCAGGTTTATAATGCACCTCAGGA
GAAAGTTCAGGCAGTGTGTGCAGATGTTGAAAAGAGTGAGCGAGTTGTTGAATCTGTCA
GGCAGAAGTGAACAAATTAAGAAGACAAATCACTCAGAGGAAAAATGAAAAGGAACAAGA
AAGAAGATTGCAGCAGGCAGTGTTAAGCAGACAGATGCCGTCTGAAAGCTTGGACCCAGC
GTTTCAGTCTCGGATGCCGTCTCTGGGTTTGCAGCTGAAGGCAGAAAGTACACTTGGAGA
TGACAGAGGCTCGGATCCTCCTCCCTTACTCTGATTTTACCCAAACAATCAAGAAAAG
TACTTTGAGCCACTCTCGCATGGAAAGGAGTGTCTTATGCCTCGACCTCAAGCTGTGGG
CTCTTCCAATTATGCTTCCACAGTGCCGACTGAAGTATCCTGGAAGTGGGGCTGACCT
TCCTCCTCCCAAAGAGCAGCTGGAGACAGTGGTGAGGATTACAGACGACAGTGATTATGA
AAATTTGATTGACCTACAGAGCCTTCTAATAGTGAATACTCACATTCAAAGGATTCTCG
ACCCATGGCACATCCCGACGAGGACCCAGGAACACTCAGACCTCCAGATTTAACTAAA
CAAAAGAAACTCTCCACTAGCACTGTTTTTCTTATTGCTTACTGAGAGGGTTTTTGAG
AACTTAATCTGGGGGAGAACTGTTTTCTCAGATACCTTAACTCCGAGAAGAGAGTCTT
TGTGCACAGAACTTGTGGGAGCCTCCATCCGCTGCTTTTACCTTTGGATACAGTGTGCA
AGTTTTCATGACAGAATCATTAAAGATAATCAAATTTGCCTAATTCTGGTGCATTATGGA
TATACTGGTAAATTTAGGCAAAGTGAACTTATCAGCGTAGTTTTCTGTTCTTTAAATAA
ATTGGAATTAGAGACTAAGCACAATTAGTCTATAAATGTTCTATAAATCAAAACTTAC
CTCTTGCACTATCATGCCTTGAATTTACTTTTTCAAAGGGAAACAAGTTTAGCAGCAGC
CTTCAAAGAACTCTTTCTATGATGAGCCAAATTCATCTTGGCAGAAAAGAAATTTTGA
TAATTCAGAAGCCTGATTAGAACAATCAGATATACCTTCTCTTGTCTGCATGACTTT
GTGAGATAAAAGAGAGGGCTTCCAACCTTTTTTCTACTAGCTTGATATGTATTACTTAA
AAATGGTTGCCTTTAAAAAAAAAAGTAGAGATACTAATTACCAGTAAGTAATCATCCAA
ATAAATACGTCATAAAATAAATTAATTTTTTCTTTGATGGATTACAGTGACTACTGT
GTTGCACTGGCACATTTATGGTCTCTGTTCTGGAATCTTGGAGGACACACAGCAGTGGAG
AACAGAAGGAGTGAGTTTTATAATGAACAGATTCCAGACACGGTAGGTTTAGCTGAGTTC
ATACAGAGGAGATATAACTCATTAGATCTTCTGACAAATCCTAGTGTAGTTTTATCTG
TGGAGGAAAGACATTTAATAATAAACTGTTTGGGAATCTTGGTGAATAAAGATTCATTTT
CAAGTGAATAACCATACTTATTTTTATTTAAGTTGCCATTTGGGGAATAATTGCAGTAT
GTGTAGAGACTCTTGGGATGCCTTATATTTTTATTTAATGACTACTGTTTTCTAGT
TTTTGCCACAACGTCTGAAACCTAAGACATTACAGGAGCATGTTGAGCTTCTGGTTTGG
AAACAGCAAGACCACCTTTATGACAAGGACAGCCATGAGGTTAATACTTGGAGTTTAA
CTGCCCTCCCTTTGAACTAGTTAAATCTGTAAGAATAAGGAAGTTGTTGAAGGCTTAA
ATCTGGGTTCTGAAAAGTAGTTTCAGTTTATAGGATACACATTTACTCACTGAGCTCCA
GTTCCAATACTAAATTAGACAGTATCATATAGACGAAAATGAAATGCTAGAAGTCCGT
TCTTTGGATCGCCACTCTATGGGGTCTGTCTTTAACTACTCTCCTGGTTATGTTGGCC
TTACACCACTGCCATTTGATTTAAAACGCTGCAGACACTTTATCTGCAAATGTGTTCCAG
TTGTTATCAGCTACCTACTACGCAGCTTACGCGCAGTGTGAATTTATTTTTTTTAAAGT
GCCATTACCGTCTCCTCTGTTTCAGATTTTACATTCAGGAAAATATTTTTATTTTATGTC
CATACTGAAATCTACAATGTATATCTGACAAAAGCAGTTAAATGTGACAATAAAAACTTA
TTAATCATGAAAAAAAAAAAAA
    
```

Restriction Sites:	ECoRI-NOT
ACCN:	NM_032182
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:	<u>NM_032182.2</u> , <u>NP_115558.2</u>
RefSeq Size:	2965 bp
RefSeq ORF:	936 bp
Locus ID:	23172
UniProt ID:	<u>Q15018</u>
Cytogenetics:	10q26.13

Gene Summary:

Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked polyubiquitin, leaving the last ubiquitin chain attached to its substrates (PubMed:19214193, PubMed:20032457, PubMed:20656690, PubMed:24075985). May act as a central scaffold protein that assembles the various components of the BRISC complex and retains them in the cytoplasm (PubMed:20656690). Plays a role in regulating the onset of apoptosis via its role in modulating 'Lys-63'-linked ubiquitination of target proteins (By similarity). Required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1 (PubMed:26195665). Plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activities by enhancing its stability and cell surface expression (PubMed:24075985, PubMed:26344097). Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination (PubMed:24075985). Required for normal induction of p53/TP53 in response to DNA damage (PubMed:25283148). Independent of the BRISC complex, promotes interaction between USP7 and p53/TP53, and thereby promotes deubiquitination of p53/TP53, preventing its degradation and resulting in increased p53/TP53-mediated transcription regulation and p53/TP53-dependent apoptosis in response to DNA damage (PubMed:25283148).[UniProtKB/Swiss-Prot Function]