

Product datasheet for **SC319131**

ABI3 (NM_016428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABI3 (NM_016428) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABI3
Synonyms:	NESH; SSH3BP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016428.2
 GGTGATGGCGGAGCTACAGCAGCTGCAGGAGTTTGAGATCCCCACTGGCCGGGAGGCTCT
 GAGGGGCAACCACAGTGCCTGTGCGGGTCGCTGACTACTGCGAGGACAACATATGTGCA
 GGCCACAGACAAGCGGAAGGCGCTGGAGGAGACCATGGCCTTCACTACCCAGGCACTGGC
 CAGCGTGGCCTACCAGGTGGCAACCTGGCCGGGCACACTCTGCGCATGTTGGACCTGCA
 GGGGGCCGCCCTGCGGCAGGTGGAAGCCCGTGAAGCACGCTGGCCAGATGGTGAACAT
 GCATATGGAGAAGGTGGCCCGAAGGGAGATCGGCACCTTAGCCACTGTCCAGCGGCTGCC
 CCCGGCCAGAAGGTCATCGCCCCAGAGAACCTACCCCTCTCACGCCCTACTGCAGGAG
 ACCCTCAACTTTGGCTGCCTGGACGACATTGGCCATGGGATCAAGGACCTCAGCACGCA
 GCTGTCAAGAACAGGCACCCTGTCTCGAAAGAGCATCAAGGCCCTGCCACCCGCTC
 CGCCACCTTGGGAGACCACCCGGATTCCCGAGCCAGTGCACCTGCCGGTGGTGGCCGA
 CGGCAGACTCTCCGCGCTCCTCTGCGTCTTCCCTGGCTCGGCCGGCAGCGCCGAAGG
 TGTCGGTGGGGCCCCACGCCAAGGGGCAGGCAGCACCTCCAGCCCACCTCTCCCGAG
 CTCCTTGGACCCACCTCTCCACCAGCAGCCGTGAGGTGTTCCAGCGGCTCCACGCT
 GGAGGAGTTGTCCCACCCACCGGACGAAGAGCTGCCCTGCCACTGGACCTGCCTCC
 TCCTCCACCCCTGGATGGAGATGAATTGGGGCTGCCTCCACCCACAGGATTTGGGCC
 TGATGAGCCCAGCTGGGTGCCTGCCTCATACTTGAGAAAAGTGGTGACACTGTACCCATA
 CACCAGCCAGAAGGACAATGAGCTCTCCTTCTCTGAGGGCACTGTATCTGTGCTACTCG
 CCGCTACTCCGATGGCTGGTGGCAGGGCGTCAGCTCAGAGGGGACTGGATTCTTCCCTGG
 GAACTATGTGGAGCCCAGCTGCTGACAGCCCAGGGCTCTCTGGGCAGCTGATGTCTGCAC
 TGAGTGGGTTTCATGAGCCCCAAGCCAAAACCAGCTCCAGTCCAGTCCAGCTGGACTGGGTCG
 CCCACCTCTTGGGCTGTGAGCTGTGTTCTGTCTTCTCCATCGGAGGGAGAAGGGGTC
 CTGGGGAGAGAGAATTTATCCAGAGGCTGCTGCAGATGGGGAAGAGCTGAAACCAAGA
 AGTTTGTCAACAGAGGACCCCTACTCCATGCAGGACAGGGTCTCCTGCTGCAAGTCCCAA
 CTTTGAATAAAACAGATGATGTCCTGTGACTGCCCCACAGAGATAAGGGGCCAGGAGGGA
 TTGAAAGGCATCCAGTTCTAAGGCTGCTGCTAATTACAGCCCCAACCTCCAACCCACC
 AGCTGACCTAGAAGCAGCATCTTCCATTTCTCAGTACCCACAAAGTGCAGCCACATT
 GGACCCACAGACCCCTCTGCAGCCATTGACTGCAACTGTTCTTTGCCATTGAAAAA
 AAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016428

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: [NM_016428.2](#), [NP_057512.1](#)

RefSeq Size: 2129 bp

RefSeq ORF: 1101 bp

Locus ID: 51225

UniProt ID: [Q9P2A4](#)

Cytogenetics: 17q21.32

Domains: SH3

Gene Summary: This gene encodes a member of an adaptor protein family. Members of this family encode proteins containing a homeobox homology domain, proline rich region and Src-homology 3 (SH3) domain, and are components of the Abi/WAVE complex which regulates actin polymerization. The encoded protein inhibits ectopic metastasis of tumor cells as well as cell migration. This may be accomplished through interaction with p21-activated kinase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).