

Product datasheet for **SC325821**

ABI3 (NM_001135186) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABI3 (NM_001135186) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABI3
Synonyms:	NESH; SSH3BP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325821 representing NM_001135186. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGCTACAGCAGCTGCAGGAGTTTGAGATCCCCACTGGCCGGGAGGCTCTGAGGGGCAACCAC
AGTGCCCTGCTGCGGGTCTGCTGACTACTGCGAGGACAATATGTGCAGGCCACAGACAAGCGGAAGGCG
CTGGAGGAGACCATGGCCTTCACTACCCAGGCACTGGCCAGCGTGGCCTACCAGGTGGGCAACCTGGCC
GGGCACACTCTGCGCATGTTGGACCTGCAGGGGGCCGCCCTGCGGCAGGTGGAAGCCCGTATGGTGAAC
ATGCATATGGAGAAGGTGCCCGAAGGGAGATCGGCACCTTAGCCACTGTCCAGCGGCTGCCCCCGGC
CAGAAGGTCATCGCCCCAGAGAACCTACCCCTCTCACGCCCTACTGCAGGAGACCCCTCAACTTTGGC
TGCTGGACGACATTGGCCATGGGATCAAGGACCTCAGCACGCAGCTGTCAAGAACAGGCACCCTGTCT
CGAAAGAGCATCAAGGCCCTGCCACACCCGCCTCCGCCACCTTGGGGAGACCACCCCGGATTCCCGAG
CCAGTGCACCTGCCGGTGGTGCCTGACGGCAGACTCTCCGCCGCCTCTGCGTCTTCCCTGGCCTCG
GCCGGCAGCGCGAAGGTGTGGTGGGGCCCCACGCCAAGGGGAGGCAGCACCTCCAGCCCCACCT
CTCCCCAGCTCCTGGACCCACCTCCTCCACCAGCAGCGTGGAGGTGTTCCAGCGGCTCCACGCTG
GAGGAGTTGTCCCACCCACCCGACGAAGAGCTGCCCTGCCACTGGACCTGCCTCCTCCTCCACCC
CTGGATGGAGATGAATTGGGGCTGCCTCCACCCACCCAGGATTTGGGCTGATGAGCCAGCTGGGTG
CCTGCCTCATACTGGAGAAAGTGGTGAACACTGTACCCATACACCAGCCAGAAGGACAATGAGCTCTCC
TTCTCTGAGGGCACTGTATCTGTGCTCACTCGCCGCTACTCCGATGGCTGGTGGCAGGGCGTCAGCTCA
GAGGGGACTGGATTCTTCCCTGGAACTATGTGGAGCCAGCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001135186



Insert Size:	1083 bp
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_001135186.1</u>
RefSeq Size:	2111 bp
RefSeq ORF:	1083 bp
Locus ID:	51225
UniProt ID:	<u>Q9P2A4</u>
Cytogenetics:	17q21.32
MW:	38.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).</p>