

## Product datasheet for **RG225539**

### ABI3 (NM\_001135186) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ABI3 (NM\_001135186) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ABI3  
**Synonyms:** NESH; SSH3BP3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225539 representing NM\_001135186  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGCTACAGCAGCTGCAGGAGTTTGTAGATCCCCACTGGCCGGGAGGCTCTGAGGGCAACCACA  
GTGCCCTGCTGCGGGTCGCTGACTACTGCGAGGACAACATGTGCAGGCCACAGACAAGCGGAAGGCGCT  
GGAGGAGACCATGGCCTTCACTACCCAGGCACTGGCCAGCGTGGCCTACCAGGTGGCAACCTGGCCGGG  
CACACTCTGCGCATGTTGGACCTGCAGGGGGCCGCCCTGCGGCAGGTGGAAGCCCGTATGGTGAACATGC  
ATATGGAGAAGGTGGCCGAAGGAGATCGGCACCTTAGCCACTGTCCAGCGGCTGCCCCCGGCCAGAA  
GGTCATCGCCCCAGAAACCTACCCCTCTCACGCCCTACTGCAGGAGACCCCTCAACTTTGGCTGCCTG  
GACGACATTGGCCATGGGATCAAGGACCTCAGCACGCAGCTGTCAAGAACAGGCACCCTGTCTCGAAAGA  
GCATCAAGGCCCTGCCACACCCGCTCCGCCACCTTGGGGAGACCACCCCGGATTTCCGAGCCAGTGCA  
CCTGCCGGTGGTGGCCGACGGCAGACTCTCCGCCCTCTCTGCGTCTTCCCTGGCCTCGGCCGGCAGC  
GCCGAAGGTGTCGGTGGGGCCCCACGCCAAGGGGCAGGCAGCACCTCCAGCCCCACCTCTCCCGAGCT  
CCTTGGACCCACCTCTCCACCAGCAGCCGTGAGGTGTCCAGCGGCCCTCCACGCTGGAGGAGTTGTC  
CCCACCCACCGGACGAAGAGCTGCCCTGCCACTGGACCTGCCTCCTCCTCCACCCCTGGATGGAGAT  
GAATTGGGGCTGCCTCCACCCACCAGGATTTGGGCTGATGAGCCCAGCTGGGTGCCTGCCTCATACT  
TGGAGAAAGTGGTGACACTGTACCCATACACCAGCCAGAAGGACAATGAGCTCTCCTTCTCTGAGGGCAC  
TGTCTGTGTCACTCGCCGCTACTCCGATGGCTGGTGCAGGGCGTCAGCTCAGAGGGGACTGGATTC  
TTCCCTGGGAACATGTGGAGCCGACTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225539 representing NM\_001135186  
Red=Cloning site Green=Tags(s)

MAELQQLQEF EIPTGREALRGNH SALLRVADYCEDNYVQATDKRKALEETMAFTTQALASVAYQVGNLAG  
 HTLRMLDLQGAALRQVEARMVNMHMEKVARREIGTLATVQRLPPGQKVIAPENLPPLTPYCRRLNFGCL  
 DDIGHGIKDLSTQLSRTGTL SRKSIKAPATPASATLGRPPRIPEPVHLPVVPDGRLSAASSASSLASAGS  
 AEGVGGAPT PKQAAPPAPPLPSSLDPPPPPA AVEVFQRPPTLEELSPPPPDEELPLPLDLP PPPPLDGD  
 ELGLPPPPPGF GPDEPSWVPASYLEKVVTLYPYSQKDNELSFSEGTVICVTRRYS DGWCEGVSSEGTGF  
 FPGNYVEPSC

TRTRPLE - GFP Tag - V

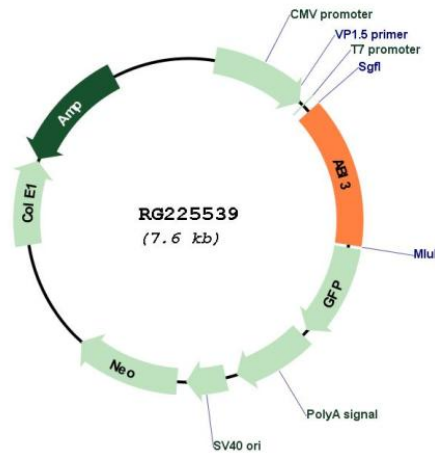
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001135186

<b>ORF Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001135186.1</a> , <a href="#">NP_001128658.1</a>
<b>RefSeq Size:</b>	2111 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	51225
<b>UniProt ID:</b>	<a href="#">Q9P2A4</a>
<b>Cytogenetics:</b>	17q21.32
<b>Gene Summary:</b>	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]