

Product datasheet for **RG202853**

ABI3 (NM_016428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABI3 (NM_016428) 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:	>RG202853 representing NM_016428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTACAGCAGCTGCAGGAGTTGAGATCCCCACTGGCCGGGAGGCTCTGAGGGCAACCACA
GTGCCCTGCTGCGGGTCGCTGACTACTGCGAGGACAACTATGTGCAGGCCACAGACAAGCGGAAGGCGCT
GGAGGAGACCATGGCCTTCACTACCCAGGCACTGGCCAGCGTGGCCTACCAGGTGGCAACCTGGCCGGG
CACACTCTGCGCATGTTGGACCTGCAGGGGGCCGCCCTGCGGCAGGTGGAAGCCCGTGAAGCACGCTGG
GCCAGATGGTGAACATGCATATGGAGAAGGTGGCCCGAAGGGAGATCGGCACCTTAGCCACTGTCCAGCG
GCTGCCCGCCGGCCAGAAGGTATCGCCCCAGAGAACCTACCCCTCTCACGCCCTACTGCAGGAGACCC
CTCAACTTTGGCTGCCTGGACGACATTGGCCATGGGATCAAGGACCTCAGCACGCAGCTGTCAAGAACAG
GCACCCTGTCTCGAAAGAGCATCAAGGCCCTGCCACACCCGCCTCCGCCACCTTGGGGAGACCACCCCG
GATTCCCGAGCCAGTGCACCTGCCGGTGGTGCCCGACGGCAGACTCTCCGCCGCCCTCTCTGCGTCTTCC
CTGGCCTCGGCCGCGCAGCGCCGAAGGTGTCGGTGGGGCCCCACGCCAAGGGGCAGGCAGCACCTCCAG
CCCCACCTCTCCCAGCTCCTTGGACCCACCTCCTCCACCAGCAGCCGTCGAGGTGTTCCAGCGGCCCTCC
CACGCTGGAGGAGTTGTCCCCACCCCAACCGGACGAAGAGTGCCCTGCCACTGGACCTGCCTCCTCCT
CCACCCCTGGATGGAGATGAATTGGGGCTGCCTCCACCCCAACAGGATTTGGCCCTGATGAGCCAGCT
GGGTGCCTGCCTCACTTGGAGAAAGTGGTGACACTGTACCCATACACCAGCCAGAAGGACAATGAGCT
CTCCTTCTCTGAGGGCACTGTCTGTGTCACTCGCCGCTACTCCGATGGCTGGTGCAGGGCGTGCAGC
TCAGAGGGGACTGGATTCTCCCTGGAACTATGTGGAGCCAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202853 representing NM_016428
 Red=Cloning site Green=Tags(s)

MAELQQLQEF EIPTGREALRGNH SALLRVADYCEDNYVQATDKRKALEETMAFTTQALASVAYQVGNLAG
 HTLRMLDLQGAALRQVEARVSTLGQMVNMHMEKVARREIGTLATVQRLPPGQKVIAPENLPPLTPYCRRP
 LNFGLDDIGHGIKDLSTQLSRTGTL SRKSIKAPATPASATLGRPPRIPEPVHLPVVDPGRLSAASSASS
 LASAGSAEGVGGAPTPKGQAAPPAPPLPSSLDPPPPPAAVEVFQRPTLEELSPPPPDEELPLPLDLPPP
 PPLDGDDELGLPPPPPGFDPDEPSWVPASYLEKVVTLYPYTSQKDNELSFSEGTVICVTRRYSDBGWCEGVS
 SEGTGFFPGNYVEPSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016428

ORF Size: 1098 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

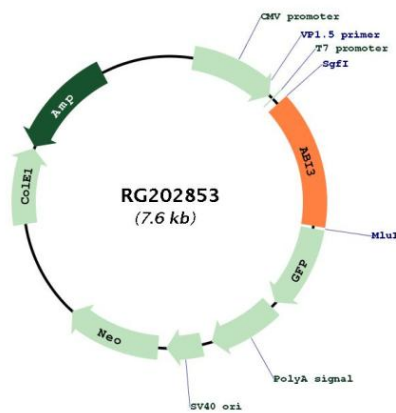
UniProt ID: [Q9P2A4](#)

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]

Product images:



Circular map for RG202853