

Product datasheet for **RR206107**

Abi2 (NM_173143) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abi2 (NM_173143) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abi2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206107 representing NM_173143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTACAGATGGCTGGATATTCAGGCATCGCAGTTACGGAGAATGGAATCTTCAATCAACCATATTT
 CACAAACAGTTGATATTCATAAAGAGAAAAGTGGCAAGAAGAGAAAATTGGTATTTTACTACCAATAAAAA
 CACTTCAAGGACCCATAAGATTATTCACCAGCCAGCCTTGAGCGGCCAGTCCGTATATTCGAAAACTT
 ATTGACTACACAATTTAGATGACATTGGACATGGCGTAAAGGTGAGTACCCAGAATATGAAGATGGGTG
 GACTGCCACGTACAACACCTCCAACCTCAGAAGCCCCAAGTCCCCCTATGTCAGGGAAGGGGACACTTGG
 GCGGCACTCCCCCTATCGAACACTGGAGCCAGTGCCTCCAGTGGTACCAAATGATTACGTACCTAGC
 CCAACCCGTAATATGGCTCCCTCGCAGCAGAGCCCTGTGAGGACAGCTTCTGTGAATCAAAGAAATCGAA
 CTTACAGCAGTGGGAGCAGTGGAGGAAGCCACCAAGTAGTCGGAGCAGCAGTCCGGGAGAACAGCGGAAG
 TGGTAGTGTGGGGTTCCCATCGCTGTTCTACTCCGTCCTCCTAGCGTCTTTCCAGGTATCCTGTT
 CAGTTCTACAGCATGAATAGGCCTGCCTCTCGCCATACGCCACCCACAATAGGGGGCTCATTGCCCTATA
 GACGCCCTCCTCCATAACTTCAAAAACAGCCTTCAGAATCAGATGAATGGAGGTCTTTTTTATAACCA
 GAATCCAGTTTTCAGATACACCACCTCCACCACCTCCTGTGGATGAGCCAGTGTTCGATGAGTCCCCACCT
 CCACCACCTCCTCCAGAGGACTCAGAAGAGGAGGAAGCAGCTGTGGTTGAGTACAGCGATCCTTACGCCG
 AAGAGGACCCACCATGGGCACCAAGGTCTTACTTGGAAAAGTTCGTGGCAATCTATGATTATACGAAAGA
 CAAGGAGGATGAGCTGTCCTTTCAGGAAGGAGCCATTATCTATGTCATCAAGAAGACGATGATGGTTGG
 TATGAGGGAGTTATGAATGGAGTACTGGGCTCTTCCCTGGGAATTACGTTGAGTCCCATCATGCATTAT
 TCGGAGTAAAGCCCAGCACAGCCGTGCTTCTTGTTCATGGCTCAGGTATCCCAGATTAGTACAGGGCCC
 TGGGAATTCCTCCAGGAAATATGATGAAGCATACAAATGATAAAGTTACTCTTTTTTACTGTTTTG
 GTTTATCCCTAGTATCAAAACCTGAAAGCCAAGTCTCGAACAAGTGAACCTTCTGGGTCACTTTGCAT
 TATGCCTATCTAGATTGAAAAATGCCATTTCTCAGTCACGGAAGGCACTACCAACATCGAACATATAGC
 TAAAATATATAGGACCAAGACTAACTTGAGAAAAAAATCTGGGATCTTCTCAGGAATACTGTACACCCTT
 GGATTTCTCTGCTGCAGAACTGAGACATTGGATGCTCATTGCCTCTGCTTTGGGGCTAACCTCATGG
 CCTGGTGGACACCCTGCCCTTACTTTTCAGTATATGGAGAGGTTGGTCCAGTGTAAATACTTTATT
 TAACTACTTTTGGATTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206107 representing NM_173143
 Red=Cloning site Green=Tags(s)

MSYRWLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTTNKNTSRTHKIIAPASLERPVRYIRKP
 IDYTIILDDIGHGVKSTQNMKGGLPRTTPPTQKPPSPMSGKTLGRHSPYRTLEPVRPPVVPNDYVPS
 PTRNMAPSQSPVRTASVNQRNRTYSSGSSGGSHPSRSSRENSGSGSVGVPIAVPTSPSPVFPVGHV
 QFYSMNRPASRHTPPTIGGSLPYRRPPTSITSQTSLQNMNGGPFYNQNPVSDTPPPPPVDEPVFDESPP
 PPPPPEDSEEEEEAVVEYSDPYAEDPPWAPRSYLEKVVAIYDYTKDKEDEL SFQEGAIIVVIKNDGDW
 YEGVMNGVTGLFPGNYVESHHALFGVKPSTAVLLVHSGIPRLARGPNSLPGNMMKHTNDKVTLFITVL
 VYPLVSKPESQVSNKWNFLGHFALCLSRKNAISQSRKGTNIEHIAKIYRKTNLRRKSGIFSGILYTL
 GFLCPAETSLDAHCLCFGANLMAWWTPLPFTFSIWRGWFQCLNTLFNYFWIA

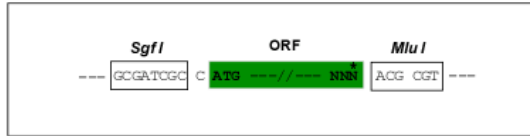
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

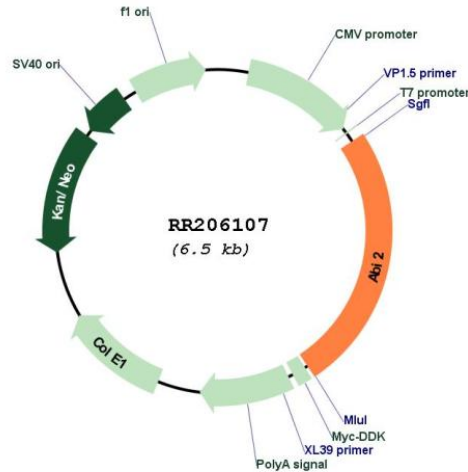
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_173143
ORF Size:	1629 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_173143.1](#), [NP_775166.1](#)

RefSeq Size: 3628 bp

RefSeq ORF: 1632 bp

Locus ID: 286928

Cytogenetics: 9q32

MW: 60.2 kDa

Gene Summary: thyroid hormone-responsive protein that is a substrate for the tyrosine kinase activity of cAb1 [RGD, Feb 2006]