

Product datasheet for **RR216394**

Abo (NM_001160263) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abo (NM_001160263) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abo
Synonyms: Abo2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216394 representing NM_001160263
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAAGGATCTGCGGTTTCGGAAGACTGAAATGCTACTCCCTTCATCTTGGAAATCCTTCCCCTCACGGTGC
TCGTCTTAGTCTCTTTTGTCTCGTGTGCCTGAGCCTCAGAAGCCAGGAATGGGGCACCAGGAGCTGT
GAATAGGAAGGCCTATCCCAGCCAAGGGTACTGACCCACTAGGACAGATGTTCTTGTCTGACTCCT
TGGCTGGCTCCCATCATCTGGGAGGGGACCTTCGACATTGACACACTGAATGAGCAGTTCAGGCTTCGGA
ACACCACGATCGGACTGACTGTGTTTGGCGTCAAAAAGTATGTGGTGTTCCTGAAGCTCTTCTGGAGAC
GGCAGAGCAGCACTTCATGGTGGACACAAGGTTCATCTACTATGTCTTCACTGACCGGCCAGCTGATGTC
CCACAGGTGCCCTGGGTGCAGGACGGCGGCTGGTGGTGTAACTGTGCGCAACTACACCGCTGGCAGG
ACGTGTCCATGCACAGGATGGAGGTGATCAGCCACTTCTCAGAGCAGCGCTTTCGGCATGAGGTGGACTA
CCTGGTGTGTGCAGATGTGGACATGAAGTTCAGGGACCACGTGGGTGTGGAGATTCTCTCAGCGCTCTT
GGCACCTGCATCCTGGCTTCTACCGTAGCCGACGAGAGTCCCTTACCTATGAGCGCCGGCCACAGTCCC
AGGCCTACATCCCCTGGGACCAGGGTACTTTTACTATATGGGAGCCTCTTTGGGGGTCAGTGGTGGA
GGTGCACCATCTACCAAGGCCTGCCACCAGGCTATGGTGGAGGACCAGGCAATGGCATTGAGGCCGTG
TGGCATGACGAGGCCATCTGAACAAGTACCTGTATACCATAAGCCGACAAAGGTGCTGTCCCCAGAGT
ACATGTGGGACCAGCAGCTACTGGGCTGGCCCTCCATCATGAAGAAGCTGAGATATGTGGCCGTGCCCAA
GAACCATCAGGCGATCAGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216394 representing NM_001160263
 Red=Cloning site Green=Tags(s)

MKDLRFGR LKCYSLHLGILPLTVLVLVFFCFVCLSLRSQEWGHPGAVNRKAYPQPRVLTPTRTDVLVLT
 WLAPIIWEWTFDIDLNEQFRLRNTTIGLTVFAVKYVFLKLFLETAEQHFVMGHKVIYYVFTDRPADV
 PQVPLGAGRRLLVLTVRNYTRWQDVSMHRMEVISHFSEQRFRHEVDYLCADVDMKFRDHVGV EILSALF
 GTLHPGFYRSRRESFTYERRPQSQAYIPWDQGDFFYMGAF FGGSVVEVHHLTKACHQAMVEDQANGIEAV
 WHDESHLNKYL LYHKPTKVL SPEYMW DQQLL GWPSIMKCLR YVAVPKNHQAIRN

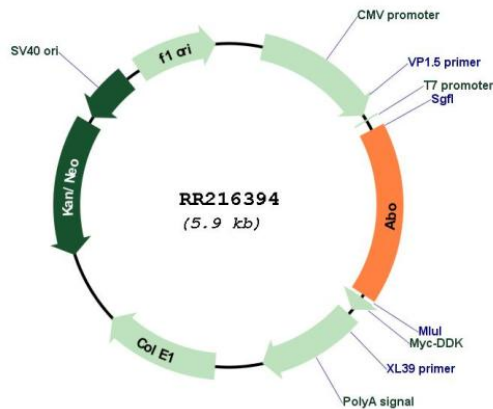
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001160263

ORF Size: 1002 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:	<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:	NM_001160263.1 , NP_001153735.1
RefSeq Size:	1555 bp
RefSeq ORF:	1005 bp
Locus ID:	100301568
UniProt ID:	Q8CFC4
Cytogenetics:	3p13
MW:	39.1 kDa
Gene Summary:	Posseses strong B transferase activity and a weak A transferase activity.[UniProtKB/Swiss-Prot Function]