

Product datasheet for RR214665

Abo3 (NM_023094) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abo3 (NM_023094) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abo3
Synonyms:	Abo; Abol1; Gbgt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214665 representing NM_023094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCTCAGAGGAAGACCGAAATGCTACTCACTTCACCTTGAATCCTTCCCTTCATTGTGCTTGTCT
TAGTCTTCTTTGGCTATGGATTCCTGAGCCACAAAATCCAGGAATTCAGGAACCCAGGAGGTGAGACTTG
CATGGCTACCAGGCAGACGGATGTCCAGAAAGTTGTAAGTGTGCCAAGGATGGCCTATCCACAGCCAAAC
GTGCTAACACCCATTAGGAATGATGTTCTGTCTTCACTCCTGGCTGGCTCCCATCATCTGGGAGGGGA
CCTTCAACATCGACATACTGAATGAGCAGTTCAAGCTTCAGAATACCACAATTGGACTGACTGTGTTTGC
CATCAAAAAGTATGTGGTGTTCCTGAAACTCTTCTGGAGACGGCAGAGCAGCACTTCATGGTGGGACAC
AAGGTCATCTATTATGATTCACTGACCGGCCATCTGATGTGCCACAGGTGCCCTGGGCGCAGGGCGGA
AGCTGGTGGTGTAACTGTGCGCAACTACACCCGCTGGCAGGACGTGCCATGCACAGGATGGAGATGAT
CAGCCACTTCTCAGAGCAGCGCTTTCAGCATGAGGTGGACTATCTGGTGTGTGGAGATGTGGACATGAAG
TTCAGTGACCACGTGGGTGTGGAGATTCTCAGCGCTCTTTGGCACCTGCATCCTGGCTTCTACCGTA
GCCGACGAGAGTCCTTTACCTATGAGCGCCGCCAAAAGTCTCAGGCCTACATCCCAGGATGAGGGTGA
CTTTTACTATGCAGGGGTTTCTTTGGGGATCAGTGGTGGAGGTGCACCATCTACCAAGCCTGCCAC
CAGGCTATGGTAGAGGACCAGGCCAATGTTATTGAGGCTGTGTGGCATGACGAGAGCCATTTGAACAAGT
ACCTGCTATACCAATAAGCCTACAAAGGTGCTGTCCCCAGAGTATGTGTGGGACCAGAAGCTGCTGGGCTG
GCCCTCCATCATGAAGAAGCTGAGATATGTGGCCGTGCCCAAGAACCATCAGGCGATCAGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214665 representing NM_023094
 Red=Cloning site Green=Tags(s)

MDLRGRPKCYSLHLGILPFIVLVVFFGYGFLSHKIQEFRNPGGETCMATRQTDVQKVVSVPRMAYPQPN
 VLTPIRNDVLVFTPWLAPIIWEGTFNIDILNEQFKLQNTTIGLTVFAIKKYVVFLLKLFLETAEQHFVGH
 KVIYVVFTRDPSDVPQVPLGAGRKLVLTVRNYTRWQDVSMHRMEMISHFSEQRQHEVDYLVCGDVKM
 FSDHVGVEILSALFGTLHPGFYRSRRESFTYERRPKSQAYIPRDEGDFYAGGFFGGSVVEVHHLTKACH
 QAMVEDQANGIEAVWHDESHLNKYLHYKPTKVLSPYVWDQKLLGWPSIMKKLRYVAVPKNHQAIRN

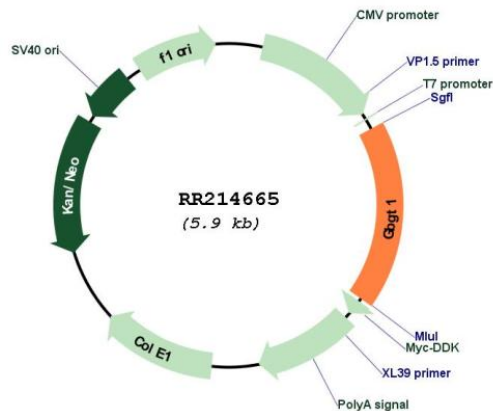
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023094

ORF Size: 1044 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_023094.3 , NP_075582.3
RefSeq Size:	1047 bp
RefSeq ORF:	1047 bp
Locus ID:	65270
UniProt ID:	Q9ET32
Cytogenetics:	3p13
MW:	40.4 kDa
Gene Summary:	histo-blood group protein with A- and B-transferase activities [RGD, Feb 2006]