

Product datasheet for **RR203445**

Abhd14a (NM_001009670) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd14a (NM_001009670) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abhd14a
Synonyms: Dorz1; RGD1309721
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203445 representing NM_001009670
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGCCGGTACCAGGCAGCCCTGTTGGGTCTAGGCCTGCTCCTCATGTTCTACTGTACATGGGGTTGC
 CTGGCCCACCCAAGCAGACTTCCCAGCTCGGGAGAGGTCCTAATGTCACAGTCTGACTGGTCTCACCAG
 AGGCAGCTCCCAAATCTTTTACCGGGAGGTGCTGCCGCTCCAGCAGACACACAGGGCGGAAGTCGTGTTT
 CTCCATGGGAAAGCATTAAATCCACACATGGGAGCAGCTGGGCACACTGCAGCTCCTCTCAAAGAGGG
 GCTACCGGGCCGTGGCCGTCGACCTTCCAGTTTTGGGAAGTCAAGCCCTCAAAGGAGGTGAGCACAGA
 GTCAGGCCGAGTGGAGTTGCTGGAGGGCGTCTCCGGGACCTACAGCTGCAGAATACTGTGTTGGTGAGC
 CCCTCACTGAGTGGCAGCTATGCCCTACCTTCTTGATGCAAAGCCACCACAGCTATGTGGATTTCGTGC
 CCATCGCACCCACCTCCACCCGGAATTACGCACAGGAACAATCCAGGCTGTGAAGACCCCAACTTTAT
 CCTGATGGGGAACTGGACCACCTTGGCGGAGAGTCACTTCAGCAGCTCCGCCACCTGCCAACCCAC
 TCCGTGGTGAAGCTGCACAATGCAGGTCATGCCTGCTACCTCCACAAGCCAGAAGCCTTCCACCTTGCCC
 TCCTTGCCTTTCTTGACCATTGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203445 representing NM_001009670
Red=Cloning site Green=Tags(s)

MSRYQAALLGLGLLLMFLLYMGLPGPPKQTSQLGRGPNVTVLTGLTRGSSQIFYREVLPQQTHRAEVVF
 LHGKAFNSHTWEQLGTLQLLSKRGYRAVAVDLPFGNSAPSKEVSTESGRVELLEGVLRDLQLQNTVLVS
 PSLSGSYALPFLMQSHHQLCGFVPIAPTSTRNYAQEQFQAVKPTLILYGELDHTLARESLLQLRHLPHN
 SVVKLHNAGHACYLHKPEAFHLALLAFLDHL P

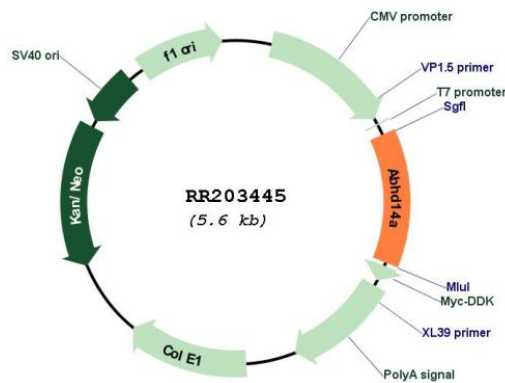
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009670
ORF Size: 726 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_001009670.1 , NP_001009670.1
RefSeq Size:	1443 bp
RefSeq ORF:	729 bp
Locus ID:	300982
UniProt ID:	Q5I0C4
Cytogenetics:	8q32
MW:	26.8 kDa
Gene Summary:	Possible role in granule neuron development.[UniProtKB/Swiss-Prot Function]