

Product datasheet for **RC200785**

ABHD14A (NM_015407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD14A (NM_015407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABHD14A
Synonyms:	DORZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200785 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCGGGGCGCTGTGCGGCTGCTGGTCCGCCCTGGCGGGGCCCGCCGCTCATCCCCTTGGGCCGA
CTGTGGTACAGACCTCCATGAGCCAGTCCCAGGTAGCCCTGTGGGCTGAGTCTGCTCATGCTCCT
ACTGTATGTGGGGCTGCCAGGCCCCCTGAGCAGACTTCTGCCTCTGGGGAGACCCCAATGTCACAGTC
CTGGCTGGTCTCACCCCTGGCAACTCGCCATCTTTACCGCGAGGTGCTCCACTCAACCAGGCACACA
GGGTGGAGGTGGTGTCTTTCATGAAAGGCCTTAACTCTCACACGTGGGAGCAGCTGGGCACACTGCA
GCTACTGTACAGAGGGGCTACCGGGCCGTGGCCCTTGACCTTCCAGGTTTTGGGAACTCGGCACCTTCA
AAGGAGGCAAGCACAGAGGCAGGGCGGGCAGCGCTGCTGGAGCGGGCGCTGCGGGACCTGGAGGTACAGA
ATGCCGTGTTGGTGTGAGCCCTCGCTGAGTGGCCACTATGCCCTGCCCTTCTGATGCGAGGCCACCACCA
GCTACATGGATTTGTGCCATCGCACCCACCTCCACCCAGAACTACACCAGGAGCAATTCTGGGCTGTG
AAGACTCCAACCCTTATCCTGTATGGAGAGCTGGACCACATCCTGGCTCGAGAGTCACTGCGGCAGCTCC
GCCACCTGCCCAACCCTCTGTGGTGAAGCTACGCAATGCAGGCCATGCCTGTTACCTCCACAAGCCGCA
AGACTTCCACCTTGTCTGCTTGCCTTCCCTTGACCATCTACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200785 protein sequence
Red=Cloning site Green=Tags(s)

MVGALCGCWFRLLGGARPLIPLGPTVVQTSMSQSQVALLGLSLLLMLLLYVGLPGPPEQTSCLWGDPNVTV
LAGLTPGNSPIFYREVLPLNQAHRVEVLLHGKAFNSHTWEQLGTLQLLSQRGYRAVALDLPFGFNSAPS
KEASTEAGRAALLERLRDLEVQNAVLVSPSLSGHYALPFLMRGHHQLHGFVPIAPTSTQNYTQEQFWAV
KTPTLILYGELDHILARESLRQLRHLPNHSVVKLRNAGHACYLHKPQDFHLVLLAFLDLHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6065_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015407

ORF Size: 813 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_015407.3](#), [NP_056222.1](#)

RefSeq Size: 1118 bp

RefSeq ORF: 816 bp

Locus ID: 25864

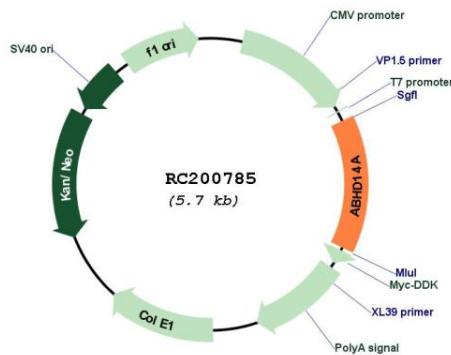
UniProt ID: [Q9BUJ0](#)

Cytogenetics: 3p21.2

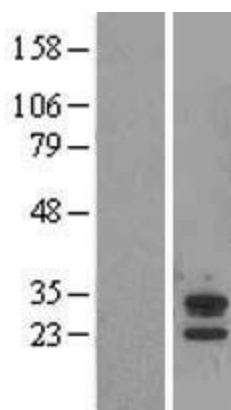
MW: 29.7 kDa

Gene Summary: Possible role in granule neuron development.[UniProtKB/Swiss-Prot Function]

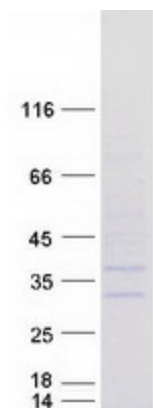
Product images:



Circular map for RC200785



Western blot validation of overexpression lysate (Cat# [LY414572]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200785 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ABHD14A protein (Cat# [TP300785]). The protein was produced from HEK293T cells transfected with ABHD14A cDNA clone (Cat# RC200785) using MegaTran 2.0 (Cat# [TT210002]).