

## Product datasheet for **RC214269**

### ABHD12B (NM\_181814) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD12B (NM_181814) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABHD12B
Synonyms:	BEM46L3; C14orf29; c14_5314
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214269 representing NM_181814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACGCGCAGGACTGCCAGGCGCCGCATCGCCGAGCCGCCCGGGCCCCAGCCCGTAGCTGCGTGG  
CCGCCTGGTGGGACATGGTCGACCGCAACCTGCGGCACACAGTCCCCAGCTGCCGGGGGAAGATGCCAA  
GGGAAGGACTGTTGCTGGTATGAAGCAGCCCTTCGTGATGGGAACCAATTATTGTTTATCTTCATGGC  
AGTGCAGAACACAGGGCAGCTTCGCACAGACTGAAGCTGGTAAAGGTGCTGAGTATGGTGGCTTTCATG  
TCTTGTCTGTTGACTACAGAGGATTTGGGGACTCTACAGGTAAGCCACAGAGGAGGACTGACTACGGA  
TGCCATTTGTGTCTATGAGTGGACCAAGCAAGAAGTGGCATCACTCCCGTGTGTCTCTGGGGCCACTCT  
CTGGGTACAGGAGTTGCAACAAATGCTGCAAAAAGTCTAGAAGAAAAAGGATGCCAGTTGATGCTATTG  
TCTTGGAAAGCTCCATTTACCAACATGTGGGTTGCAAGTATCAATTATCCCTTGTTAAAGATTTACCGGAA  
CATTCCAGGATTTTACGTACACTTATGGATGCCCTGAGAAAAGACAAAATAATCTTTCCTAATGATGAA  
AATGTTAAATTCCTTCTCTCTCTCATCTTACATGGAGAGGATGACAGGACAGTGCCTTTGGAGT  
ATGGGAAAAAGCTCTATGAAATTGCACGCAATGCATACAGGAACAAGAGAGGGTCAAGATGGTTATCTT  
TCCTCTGGCTTCCAACACAACCTGCTTTGTAAGGCCACACTGTTAATAACCGTGAGAGATTTCTCTG  
AGCAAGCAGTGGTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC214269 representing NM\_181814  
Red=Cloning site Green=Tags(s)

MDAQDCQAAASPEPPGPPARSCVAAWWDMVDRNLRHTVPSCRGEDAKGKDCCWYEALRDGNPIIVYLHG  
 SAEHRAASHRLKLVKVLSDGGFHVLSVDYRFGDSTGKPTTEGLTTDAICVYEWTKARSGITPVCLWGHS  
 LGTG VATNAAKVLEEKGCPVDAIVLEAPFTNMWVASINYPLLLKIYRNIPGFLRTLMDALRKDKIIFPNDE  
 NVKFLSSPLLILHGEDDRTVPLEYGKKLYEIARNAYRNKERVKMVFPPGFQHNLLCKSPDLLITVRDFL  
 SKQWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8049\\_d03.zip](https://cdn.origene.com/chromatograms/mk8049_d03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181814

**ORF Size:** 855 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\\_181814.1](#), [NP\\_861535.1](#)

**RefSeq Size:** 1477 bp

**RefSeq ORF:** 858 bp

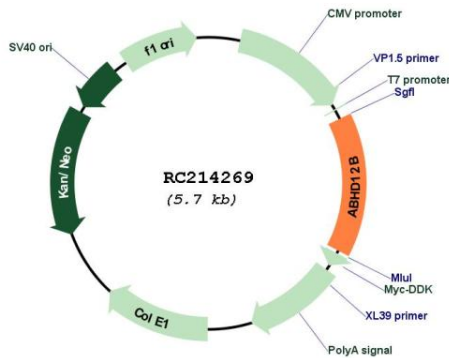
**Locus ID:** 145447

**UniProt ID:** [Q7Z5M8](#)

**Cytogenetics:** 14q22.1

**MW:** 31.6 kDa

**Product images:**



Circular map for RC214269