

Product datasheet for **RC233878**

ABHD12B (NM_001206673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD12B (NM_001206673) 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:	>RC233878 representing NM_001206673 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGCGCAGGACTGCCAGGCGGCCGCATCGCCGAGCCGCCGGCCCCAGCCCGTAGCTGCGTGG
CCGCTGGTGGGACATGGTCGACCGCAACCTGCGATATTTCCACACTCCTGTTCAATGCTCGGAAGAAA
AATTGCTGCTCTGTATGACAGCTTTACTAGTAAATCCTAAAAGAACACGTTTTCTTCTCTGATAGAC
ATGCTAATTTATTTAATTTTTCAAAGCCCCATTTCTGTGGATTTAAAGAAACCAGAGTTAAAGATTC
CTCACACAGTGAACCTTACCTGAGAGTTGAACCTGGGGTATGCTAGGGATCTGGCACACAGTCCCAG
CTGCCGGGGGAAGATGCCAAGGGGAAGGACTGTTGCTGGTATGAAGCAGCCCTTCGTGATGGGAACCCA
ATTATTGTTTATCTTCATGGCAGTGCAGAACACAGGGCAGCTTCGCACAGACTGAAGCTGGTAAAGGTGC
TGAGTGATGGTGGCTTTCATGTCTTGTCTGTTGACTACAGAGGATTTGGGGACTCTACAGGTAAGCCAC
AGAGGAGGGACTGACTACGGATGCCATTTGTGTCTATGAGTGGACCAAGGCAAGAAGTGGCATCACTCCC
GTGTGTCTCTGGGGCCACTCTCTGGGTACAGGAGTTGCAACAAATGCTGCAAAAGTGTAGAAGAAAAAG
GATGCCAGTTGATGCTATTGTCTTGAAGCTCCATTTACCAACATGTGGGTTGCAAGTATCAATTATCC
CTTGTTAAAGATTTACCGAACATTCCAGGATTTTTACGTACACTTATGGATGCCCTGAGAAAAGACAAA
ATAATCTTCTAATGATGAAAATGTTAAATCCTTTCTCTCTTCTCATCTTACATGGAGAGGATG
ACAGGACAGTGCCTTTGGAGTATGGGAAAAAGCTCTATGAAATTGCACGCAATGCATACAGGAACAAAGA
GAGGGTCAAGATGGTTATCTTTCTCTGGCTTCCAACACAACCTGCTTTGTAAGCCCCACACTGTTA
ATAACCGTGAGAGATTTCTGAGCAAGCAGTGGTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC233878 representing NM_001206673
 Red=Cloning site Green=Tags(s)

MDAQDCQAAASPEPPGPPARSCVAAWWDMVDRNLRYFPHSCSMLGRKIAALYDSFTSKSLKEHVFLPLID
 MLIYFNFFKAPFLVDLKKPELKIPHTVNFYLRVEPGVMLGIWHTVPSCRGEDAKGKDCWYEAALRDGNP
 IIVYLHGSAEHRRAASHRLKLVKVLSDGGFHVLSVDYRFGDSTGKPTEEGLTTDAICVYEWTKARSGITP
 VCLWGHSLGTGVATNAAKVLEEKGCPVDAIVLEAPFTNMWVASINYPLLLKIYRNIPGFLRTLMDALRKDK
 IIFPNDEVKFLSSPLLILHGEDDRTVPLEYGGKLYEIARNAYRNKERVKMVIFFPPGFQHNLLCKSPTLL
 ITVRDFLSKQWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001206673

ORF Size: 1086 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_001206673.2](#)

RefSeq Size: 1708 bp

RefSeq ORF: 1089 bp

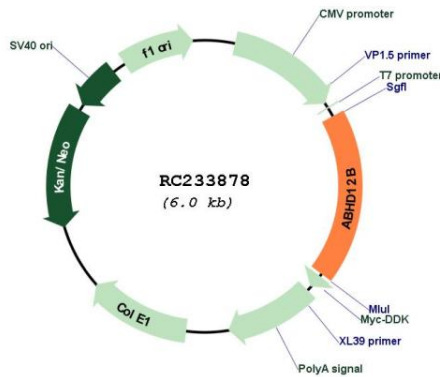
Locus ID: 145447

UniProt ID: [Q7Z5M8](#)

Cytogenetics: 14q22.1

MW: 41.2 kDa

Product images:



Circular map for RC233878