

Product datasheet for RC205792

ABHD12B (NM_181533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD12B (NM_181533) 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:	>RC205792 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAGGGATCTGGCACACAGTCCCCAGCTGCCGGGGGAAGATGCCAAGGGGAAGGACTGTTGCTGGT
ATGAAGCAGCCCTTCGTGATGGGAACCAATTATTGTTTATCTTCATGGCAGTGCAGAACACAGGGCAGC
TTCGCACAGACTGAAGCTGGTAAAGGTGCTGAGTATGGTGGCTTTCATGTCTTGTCTGTTGACTACAGA
GGATTTGGGACTCTACAGTAAGCCACAGAGGAGGACTGACTACGGATGCCATTTGTGTCTATGAGT
GGACCAAGGCAAGAAGTGGCATCACTCCCGTGTGTCTCTGGGCCACTCTCTGGGTACAGGAGTTGCAAC
AAATGCTGCAAAAAGTGTAGAAGAAAAAGGATGCCAGTTGATGCTATTGTCTTGAAGCTCCATTTACC
AACATGTGGGTTGCAAGTATCAATTATCCCTTGTAAAGATTTACCGAACATTCCAGGATTTTTACGTA
CACTTATGGATGCCCTGAGAAAAGACAAAATAATCTTTCCTAATGATGAAAATGTTAAATTCCTTCTTC
TCCTCTTCTCATCTTACATGGAGAGGATGACAGGACAGTGCCCTTGGAGTATGGGAAAAGCTCTATGAA
ATTGCACGCAATGCATACAGGAACAAAGAGAGGGTCAAGATGGTTATCTTCTCCTGGCTTCCAACACA
ACCTGCTTGTAAAAGCCCCACACTGTTAATAACCGTGAGAGATTTCTGAGCAAGCAGTGGTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205792 protein sequence
Red=Cloning site Green=Tags(s)

MLGIWHTVPSRGEDAKGKDCCWYEAALRDGNPIIVYLHGSAEHRAASHRLKLVKVLSDGGFHVLSVDYR
 GFGDSTGKPTTEGLTTDAICVYEWTKARSGITPVCLWGHSLGTGVATNAAKVLEEKGCPVDAIVLEAPFT
 NMWVASINYPLLLKIYRNIPGFLRTLMDALRKDKIIFPNDENVKFLSSPLLILHGEDDRTVPLEYGKKLYE
 IARNAYRNKERVKMVIFPPGFQHNLLCKSPTLLITVRDFLSKQWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6326_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181533

ORF Size: 765 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_181533.3](#), [NP_853511.2](#)

RefSeq Size: 1580 bp

RefSeq ORF: 768 bp

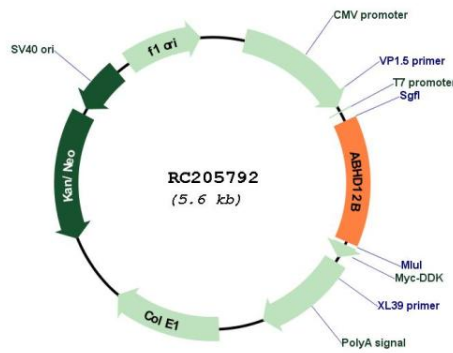
Locus ID: 145447

UniProt ID: [Q7Z5M8](#)

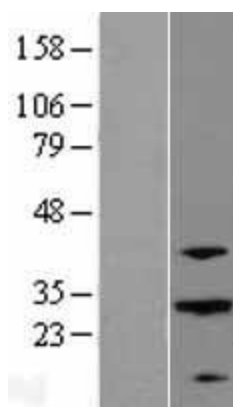
Cytogenetics: 14q22.1

MW: 28.6 kDa

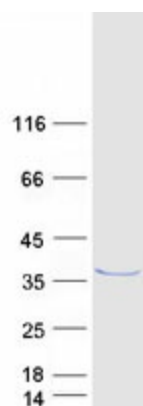
Product images:



Circular map for RC205792



Western blot validation of overexpression lysate (Cat# [LY405695]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205792 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ABHD12B protein (Cat# [TP305792]). The protein was produced from HEK293T cells transfected with ABHD12B cDNA clone (Cat# RC205792) using MegaTran 2.0 (Cat# [TT210002]).