

Product datasheet for RC202393

ABHD10 (NM_018394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD10 (NM_018394) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABHD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202393 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTTGCGCGCTTGGCAGCTGTGGCGCCTGGGTACCTTGTGGAGCTGGGGCTGGGCAGCCGTCC
CCTTCGGTCCCCACCGTGGCCTCAGCGTGTCTTGCACGGATACCTCAGCGGGCCACGGTGGCTCCC
AGCTTGTAGACAAAAGACGTCACCTCATTCTTAATCGACCAGACCTTCCAACTGGCTTATAAGAAG
CTAAAAGGCAAAAGTCCAGGAATTATCTCATCCCTGGCTATCTTTCTTATGAATGGTACAAAAGCGT
TGGCGATTGAGGAGTTTGCAAATCTCTAGGTCACGCCTGCATAAGGTTTGATTACTCAGGAGTTGGAAG
TTCAGATGGTAACTCAGAGGAAAGCACACTGGGAAATGGAGAAAAGATGTTCTTTCTATAATTGATGAC
TTAGCTGATGGGCCACAGATTCTTGTGGATCTAGCCTTGGAGGGTGGCTTATGCTTCATGCTGCAATTG
CACGACCAGAGAAGTTCGTGGCTCTTATTGGTGTAGCTACAGCTGCAGATACCTTAGTGACAAAAGTTAA
TCAGCTTCTGTTGAGCTAAAAAGGAAGTAGAGATGAAAGGTGTGGAGCATGCCATCAAATACTCT
GAAGAAGGAGTTTATAACGTTTCAGTACAGTTTCATTAAGAAGCTGAACATCACTGCTTGTACATAGCC
CAATTCCTGTGAAGTCCCCATAAGATTGCTCCATGGCATGAAGGATGACATTGTACCTGGCATAATC
AATGCAGGTTGCCGATCGAGTACTCAGCACAGATGTGGATGTCATCTCCGAAAACACAGTGATCACCGA
ATGAGGGAAAAAGCAGACATTCAACTTCTGTTTACACTATTGATGACTTAATTGATAAGCTCTCAACTA
TAGTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202393 protein sequence
Red=Cloning site Green=Tags(s)

MAVARLAAVAAWVPCRSWGWAAVPFGPHRGLSVLLARIPQRAPRWLPACRQKTSLSFLNRPDLPNLAYKK
 LKGKSPGIIFIPGYLSYMNGTKALAIIEEFCKSLGHACIRFDYSGVSSDGNSEESTLGKWRKDVLSIIDD
 LADGPQILVGSSLGGWMLHAAIARPEKVVALIGVATAADTLVTKFNQLPVELKKEVEMKGVWSMPSKYS
 EEGVYNVQYSFIKEAEHHCLLHSPIPVNCPIRLLHGMKDDIVPWHTSMQVADRVLSTDVDVILRKHSDHR
 MREKADIQLLVYTIDDLIDKLSTIVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6053_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018394

ORF Size: 918 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_018394.4](#)

RefSeq Size: 2771 bp

RefSeq ORF: 921 bp

Locus ID: 55347

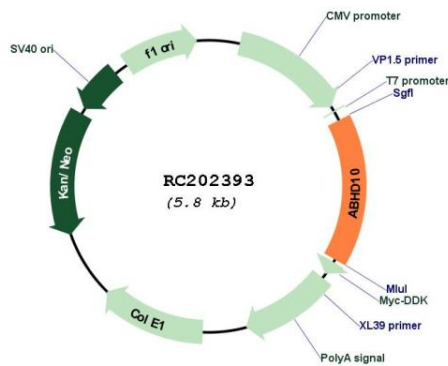
UniProt ID: [Q9NUJ1](#)

Cytogenetics: 3q13.2

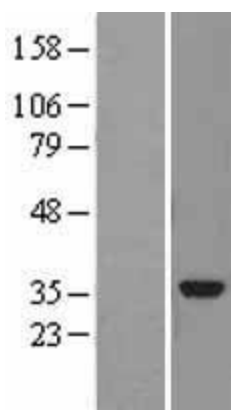
MW: 33.9 kDa

Gene Summary: This gene encodes a mitochondrially-localized enzyme that acts in liver cells as a hydrolase. The encoded protein removes glucuronide from mycophenolic acid acyl-glucuronide. There is a pseudogene for this gene on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

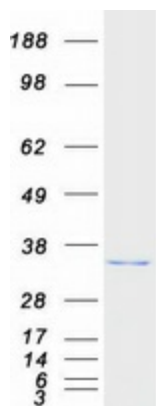
Product images:



Circular map for RC202393



Western blot validation of overexpression lysate (Cat# [LY402682]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202393 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ABHD10 protein (Cat# [TP302393]). The protein was produced from HEK293T cells transfected with ABHD10 cDNA clone (Cat# RC202393) using MegaTran 2.0 (Cat# [TT210002]).