

Product datasheet for **RC208020**

ABHD1 (NM_032604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ABHD1
Synonyms:	LABH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC208020 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAGCTCCTTCTGAGCCCCAGAATGGCACCTGGGCAGACACCTTCTCTGCTCTTGGCTCTTG
CCGTTGCCCTCTACTTGGGCTACTACTGGGCATGTGTGCTTCAGAGGCCTCGGCTGGTGGCTGGGCCGCA
GTTTCTGGCCTTCTGGAGCCACACTGTTCCATCACCACCGAGACTTTCTACCAACGCTGTGGTGT
GAGGGCGGACTACAAAGCATCTTCCAAGTCTCCTGCAGTCTCAGCCCCAGTCTTTATCAGAGTGACA
TCCTCCAAACACCATGAGAGGCCAGCTCCTGCTAGACTGGGCCAAGCAGCCTGACAGCAGCCAAGACCC
TGATCTACTACCCAGCCATTGTGCTGCTGCTTCTGGCATCACTGGCAGTAGCCAGGAGACATACGTC
TTGCACCTAGTTAACCAGCTCTGAGGGATGGCTACCAGGCTGTCGTGTTTAAACCGGGGCTGCCGTG
GGGAGGAACTGCGGACCCACAGGGCTTTTGTGCCAGCAATACTGAAGATCTAGAGACAGTCGTGAACCA
CATAAAGCATCGTTATCCCAAGCTCCACTGCTGGCCGTGGGCATCTCTTTGGAGGGATACTGGTGCTG
AATCACCTGGCACAGGCCAGGCAGGCTGCAGGGCTGGTGGCAGCACTGACTCTGCTGCATGCTGGGATT
CCTTTGAGACCACTCGCTCCCTGGAACCCCACTCAACTACTGCTCTTCAATCAGCCCCCTCACTGCTGG
GCTCTGCCAACTTGTGGAACGAAACAGAAAGGTGATTGAAAAGGTGGTGGACATAGACTTTGTACTACAG
GCCCGTACAATCCGCCAGTTTGATGAGCGCTACACATCTGTGCCCTTTGGATATCAAGACTGTGTTACCT
ACTACAAGCAGCAAGCCCTAGAACCAAGATAGATGCCATCCGGATCCCTGTGCTCTATCTCAGTGCAGC
AGATGACCCCTTCTCCCCGCTGTGCCCTTCCCATACAGGCCGCCCAACTCCCCCTACGTTGCGCTG
CTCATCAGCCCCGGGTGGCCACATCGGCTTCTGGAAGGGCTGCTCCCGTGGCAGCACTGGTACATGA
GCCGCTCTTGATCAGTACGCCAAAGCCATCTCCAGGACCCAGAGGGGCTGCCTGACCTCAGGGCTCT
CTTACCTTCTGAGGACAGAAACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC208020 protein sequence
 Red=Cloning site Green=Tags(s)

MLSSFSPQNGTWADTFSLLLALAVALYLGYWACVLQRPRLVAGPQFLAFLEPHCSITTETFYPTLWCF
 EGRLQSIQVLLQSQPLVLYQSDILQTPDGGQLLDWAKQPDSSQDPDPTTQPIVLLLPGITGSSQETYV
 LHLVNQALRDGYQAVFNNRGCERGEELRTHRAFCASNTEDLETVVNHIKHYRYPQAPLLAVGISFGGILVL
 NHLAQARQAAGLVAALTLSACWDSFETTRSLLEPLNSLLFNQPLTAGLCQLVERNKRKIEKVVDIDFVLQ
 ARTIRQFDERYTSVAFGYQDCVTYYKAASPRTKIDAIRIPVLYLSAADDPFSPVCALPIQAAQHSPYVAL
 LITARGGHIGFLEGLLPWQHWYMSRLHLHQYAKAIFQDPEGLPDLRALLPSEDNRNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

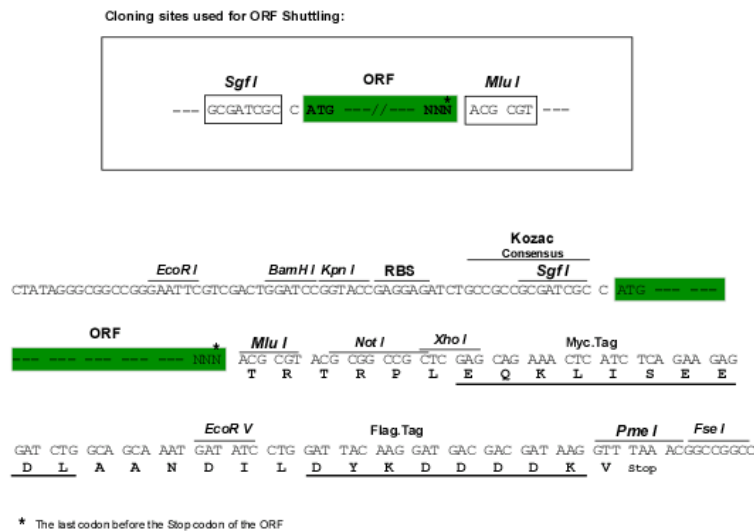
Chromatograms:

https://cdn.origene.com/chromatograms/mk6342_a06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_032604

ORF Size:

1215 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:

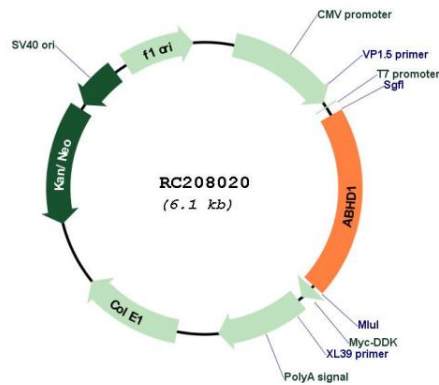
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

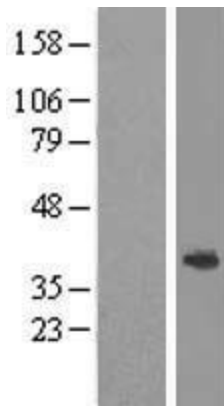
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032604.4</u>
RefSeq Size:	1471 bp
RefSeq ORF:	1218 bp
Locus ID:	84696
UniProt ID:	<u>Q96SE0</u>
Cytogenetics:	2p23.3
Protein Families:	Transmembrane
MW:	45.2 kDa
Gene Summary:	This gene is a member of the AB hydrolase superfamily and encodes a protein with an alpha/beta hydrolase fold. This domain is common to a number of hydrolytic enzymes of widely differing phylogenetic origins and catalytic functions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC208020



Western blot validation of overexpression lysate (Cat# [LY410001]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208020 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).