

## Product datasheet for **RG208020**

### **ABHD1 (NM\_032604) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ABHD1 (NM\_032604) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ABHD1  
**Synonyms:** LABH1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG208020 representing NM\_032604  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAGCTCCTTCTGAGCCCCAGAATGGCACCTGGGCAGACACCTTCTCTGCTCTTGGCTCTTG  
CCGTTGCCCTCTACTTGGGCTACTACTGGGCATGTGTGCTTCAGAGGCCCTCGGCTGGTGGCTGGGCCGA  
GTTTCTGGCCTTCTGGAGCCACTGTCCATCACCACCGAGACTTTCTACCCAACGCTGTGGTGT  
GAGGGGCGACTACAAAGCATCTTCCAAGTCTCCTGCAGTCTCAGCCCCTAGTCTTTATCAGAGTGACA  
TCCTCAAACACCAGATGGAGGCCAGCTCCTGCTAGACTGGCCAAGCAGCCTGACAGCAGCCAAGACCC  
TGATCCTACTACCCAGCCATTGTGCTGCTGCTTCTGGCATCACTGGCAGTAGCCAGGAGACATACGTC  
TTGCACCTAGTTAACCAAGCTCTGAGGGATGGCTACCAGGCTGTCGTGTTAACCAACCGGGCTGCCGTG  
GGGAGGAAGTGGGACCCACAGGGCTTTTTGTGCCAGCAATACTGAAGATCTAGAGACAGTCGTGAACCA  
CATAAAGCATCGTTATCCCAAGCTCCACTGCTGGCCGTGGGCATCTCTTTGGAGGGATACTGGTGTG  
AATCACCTGGCACAGGCCAGGCAGGCTGCAGGGCTGGTGGCAGCACTGACTCTGTCTGCATGCTGGGATT  
CCTTTGAGACCACTCGCTCCCTGGAAACCCCACTCAACTACTGCTCTTCAATCAGCCCCCTCACTGCTGG  
GCTCTGCCAATGTGGAACGAAACAGAAAGGTGATTGAAAAGGTGGTGGACATAGACTTTGTTACTACAG  
GCCCGTACAATCCGCCAGTTTGATGAGCGCTACACATCTGTGGCCTTTGGATATCAAGACTGTGTTACCT  
ACTAAAAGCAGCAAGCCCTAGAACCAAGATAGATGCCATCCGGATCCCTGTGCTCTATCTCAGTGCAGC  
AGATGACCCCTTCTCCCCGTCTGTGCCCTTCCATACAGGCCGCCCAACTCCCCCTACGTTGCGCTG  
CTCATCACAGCCCGGGTGGCCACATCGCTTCTGGAAGGGCTGCTCCCGTGGCAGCACTGGTACATGA  
GCCGCCTTGTGCATCAGTACGCCAAAGCCATCTCCAGGACCCAGAGGGGCTGCCTGACCTCAGGGCTCT  
CTTACCTTCTGAGGACAGAAACAGC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208020 representing NM\_032604  
 Red=Cloning site Green=Tags(s)

MLSSFLSPQNGTWADTFSLLLALAVALYLGYYWACVLQRPRLVAGPQFLAFLEPHCSITTETFYPTLWCF  
 EGRLQSFQVLLQSQPLVLYQSDILQTPDGGQLLLDWAKQPDSSQDPDPTTQPIVLLLPGITGSSQETYY  
 LHLVNQALRDGYQAVVFNNRGCERGEELRTHRAFASNTEDLETVVNHKHYRYPQAPLLAVGISFGGILVL  
 NHLAQARQAAGLVAALTLSACWDSFETTRSLETPLNSLLFNQPLTAGLCQLVERNRKVIEKVVDDIDFVLQ  
 ARTIRQFDERYTSVAFGYQDCVITYKAASPRTKIDAIRIPVLYLSAADDPFSPVCALPIQAAQHSPPYVAL  
 LITARGGHIGFLEGLLPQHWYMSRLLHQYAKAIFQDPEGLPDLRALLPSEDRNS

TRTRPLE - GFP Tag - V

**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.

**RefSeq:** [NM\\_032604.4](#)

**RefSeq Size:** 1458 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 84696

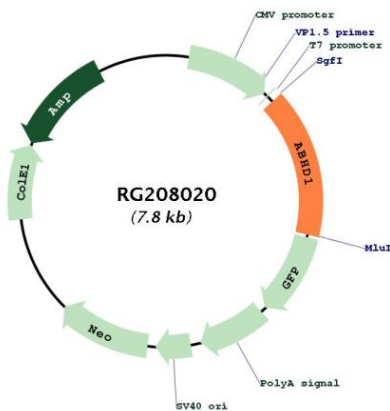
**UniProt ID:** [Q96SE0](#)

**Cytogenetics:** 2p23.3

**Protein Families:** Transmembrane

**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 RG208020