

Product datasheet for **RG228763**

ABHD14B (NM_001146314) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ABHD14B (NM_001146314) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ABHD14B
Synonyms: CIB; HEL-S-299
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228763 representing NM_001146314
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGCAAGCGTGGAGCAGCGCAGGGCACCATCCAGGTGCAGGGCCAGGCCCTCTTCTCCGAGAGG
CCCTGCCCGCAGTGGCAGGCTCGTTCTGTACTGCTGTCATGGTATTCGTTCTCCTCCGAGAC
CTGGCAGAACCTGGGTACACTGCACAGGCTGGCCAGGCTGGCTACCGGGCTGTGGCCATTGACCTGCCA
GGTCTGGGGCACTCCAAGGAAGCAGCAGCCCTGCCCTATTGGGGAGCTGGCCCTGGCAGTTCTCTGG
CGCTGTGGTGGATGCCTTGGAGCTGGCCCCCGGTTGTGATCAGTCCATCACTGAGTGGCATGTACTC
CCTGCCCTTCTCACGGCCCTGGCTCCAGCTCCCGGGCTTTGTGCCAGTGGCCCCATCTGCACTGAC
AAAATCAATGCTGCCAACTATGCCAGTGTGAAGACTCCAGCTCTGATTGTATATGGAGACCAGGACCCCA
TGGGTGAGACCAGCTTTGAGCACCTGAAGCAGCTGCCAACCACCGGGTGTGATCATGAAGGGGGCGGG
GCACCCCTGTTACCTGGACAAACCAGAGGAGTGGCATACAGGGCTGCTGGACTTCTGCAGGGGCTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228763 representing NM_001146314
Red=Cloning site Green=Tags(s)

MAASVEQREGTIQVQQALFFREALPGSGQARFSVLLHGIKRSSETWQNLGTLHRLAQAGYRAVAIDL
GLGHSKEAAAPIGELAPGSFLAAVVDALGPPVVISPSLSGMYSLPFLTAPGSQLPGFVPVAPICTD
KINAANYASVKTPALIVYGDQDPMGQTSFEHLKQLPNHRVLIKMGAGHPCYLDKPEEWHGGLDGLQL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001146314

ORF Size: 630 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_001146314.1](#), [NP_001139786.1](#)

RefSeq Size: 2253 bp

RefSeq ORF: 633 bp

Locus ID: 84836

UniProt ID: [Q96IU4](#)

Cytogenetics: 3p21.2

Gene Summary: Has hydrolase activity towards p-nitrophenyl butyrate (in vitro). May activate transcription. [UniProtKB/Swiss-Prot Function]