

Product datasheet for **RG208449**

FAM108B1 (ABHD17B) (NM_001025780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM108B1 (ABHD17B) (NM_001025780) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM108B1
Synonyms:	C9orf77; CGI-67; FAM108B1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208449 representing NM_001025780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAATCTTTCATTTAGTGAGCTATGTTGCCTCTTCTGCTGTCCACCTTGCCAGGGAAGATTGCTT
CAAAATTAGCGTTTTTGGCACCTGATCCAATTACACACTGATGTGTGATGAAAGCGGAAGCCGTTGGAC
TTTACATCTGTCTGAACGAGCAGACTGGCAGTATTCTTCTAGAGAAAAAGATGCTATTGAGTGTTCATG
ACTAGAACCAGTAAAGGCAACAGAATTGCTTGTATGTTTGTACGTTGTTACCCAATGCGAAATACACTT
TACTCTTCTCACATGAAATGCTGTTGATCTTGGTCAAATGAGCAGCTTTTACATAGGACTAGGATCAGC
GATTAATTGTAATATATTCTCATATGATTATTCTGGATATGGTGCAGTTCGGGAAACCCACAGAGAAG
AACCTCTATGCAGACATTGAAGCTGCTTGGCTTGGCTTCTAGGACAAGATATGGCATTGCGCCTGAAAATG
TGATTATATATGGCAAAGTATAGGGACAGTACCATCTGTGGATCTTGTGCTCGATATGAGAGTCTGC
TGTTATTCTTCATTCTCCTCTGACTTCGGGAATGCGAGTTGCCTTTCCTGATACCAAGAAGACCTACTGT
TTTGATGCATTCCCAAACATTGACAAAATCTCTAAGATAACCTCTCCAGTATTAATAATTCATGGGACTG
AAGATGAAGTCATTGACTTTTTACATGGCCTCGCATTGTTTGAACGTTGCCAAAGACCTGTGGAGCCTCT
CTGGGTTGAAGGAGCAGGTCACAATGATGTGGAACCTTATGGACAGTATCTTAAAAGTTGAAACAGTTT
GTGTCACAGGAAGTGGTAAATTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208449 representing NM_001025780
 Red=Cloning site Green=Tags(s)

MNLSFSELCCFLCCPPCPGKIASKLAFLLPDPPTYTLMCDESGSRWTLHLSERADWQYSSREKDAIECFM
 TRTSKGNRIACMFVRCSPNAKYTLFLSHGNAVDLGMSSFYIIGLSRINCNIIFYDYSGYGASSGKPTK
 NLYADIEAAWLALRTRYGIRPENVIYGKSIGTVPSVDLAARYESAIVLHSPLTSGMRVAFPDTKKTYC
 FDAFPNIDKISKITSPVLIHGTEDVIDFSLGLALFERCQRPVEPLWVEGAGHNDVELYQYLERLQKQF
 VSQELVNL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001025780

ORF Size: 864 bp

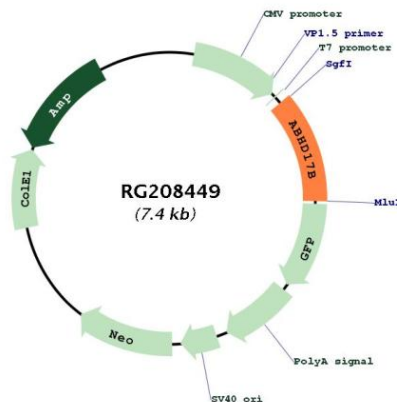
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_001025780.1 , NP_001020951.1
RefSeq Size:	3153 bp
RefSeq ORF:	867 bp
Locus ID:	51104
UniProt ID:	Q5VST6
Cytogenetics:	9q21.13
Protein Families:	Protease
Gene Summary:	Hydrolyzes fatty acids from S-acylated cysteine residues in proteins (PubMed:26701913). Has depalmitoylating activity towards DLG4/PSD95 (PubMed:26701913). Has depalmitoylating activity towards GAP43 (By similarity). Has depalmitoylating activity towards MAP6 (By similarity). Has depalmitoylating activity towards NRAS (PubMed:26701913).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208449