

Product datasheet for **RC213559**

FAM108C1 (ABHD17C) (NM_021214) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | FAM108C1 (ABHD17C) (NM_021214) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FAM108C1 |
| Synonyms: | FAM108C1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC213559 representing NM_021214 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGAGCCAGGCCCCAGGATGAACGGCTTCTCGCTGGGTGAGCTGTGCTGGCTCTTCTGCTGCCCGC
CCTGCCCGAGCCGCATCGCCGCAAGCTGGCTTCTGCCGCCGAGCCACCTACACGGTGTGGCGCC
GGAGCAGCGCGGCCGCGCGCTCCGCCCGGCCCGGCCAGGCTACCGCCGCCGCCCGCGGCCAG
CCGGCACCGCAGCAGCCGAGGAGGGCGCGGGCGCGGGCCCGGTGCGTGCAGCCTGCACCTCAGCGAGC
GCGCCGACTGGCAGTACTCGCAGCGCAGCTGGACGCCGTCGAGGTCTTCTTCTCGCGCACGGCCGGGA
CAACCGGCTCGGCTGCATGTTCTGTGCGCTGCGCGCCCTCCAGCCGCTACACGCTGCTCTTCTCGCACGGC
AACGCCGTGGACCTGGGCCAGATGTGCAGCTTCTACATTGGCCTCGGCTCCCGCATCAACTGCAACATCT
TCTCTACGACTACTCGGGATACGGCGTCAGCTCGGGCAAGCCCTCCGAGAAGAACCTCTACGCCGACAT
CGACGCCCGGTGGCAGGCGCTGCGCACCCGGTATGGCGTGAGTCCCGAGAACATTATCCTCTATGGTCAG
AGCATTGGGACTGTCCCCACGGTAGACTTGGCCTCGAGGTATGAATGCGCAGCGGTAATTCTCCATTCCC
CTCTGATGTCTGGTTTGGTGTGGCTTTCCGGATACCAGGAAAACATACTGCTTTGATGCTTTCCCGAG
CATTGACAAGATATCTAAAGTCACTCTCCTGTGTTGGTCATTATGGTACAGAGGATGAGGTCATCGAT
TTCTCCCATGGCCTAGCGATGTACGAGCGCTGTCCCGAGCCGTGGAGCCCTTTGGGTTGAAGGGGCTG
GGCATAATGACATAGAGCTTTATGCACAATACCTAGAAAGACTAAAACAGTTCATATCTCACGAACCTCC
TAATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213559 representing NM_021214
Red=Cloning site Green=Tags(s)

MPEPGPRMNGFSLGELCWLFCPPPCPSRIAAKLFLPPEPTYTVLAPEQRGAGASAPAPAQATAAAAAAQ
 PAPQQPEEGAGAGPGACSLHLSERADWQYSQRELDAVEVFFSRTARDNRLGCMFVRCAPSSRYTLFLSHG
 NAVDLGQMCSFYIGLGSRINCNIFSYDYSYGVVSSGPKSEKNLYADIDAAWQALRTRYGVSPENIILYQG
 SIGTVPTVDLASRYECAAVILHSPLMSGLRVAFPDTRKTYCFDAFPSIDKISKVTSPLVIHGTEDEVID
 FSHGLAMYERCPRAVEPLWVEGAGHNDIELYAQYLERLKKQFISHHELPNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_f01.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_021214

ORF Size: 987 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_021214.2](#)

RefSeq Size: 2408 bp

RefSeq ORF: 990 bp

Locus ID: 58489

UniProt ID: [Q6PCB6](#)

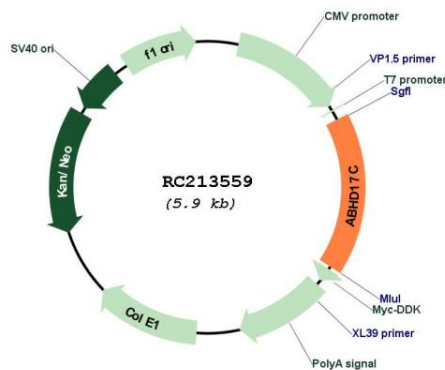
Cytogenetics: 15q25.1

Protein Families: Protease

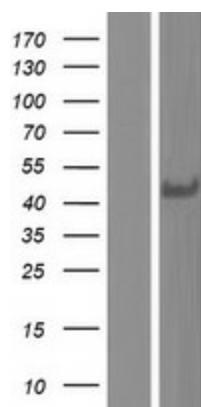
MW: 35.8 kDa

Gene Summary: Hydrolyzes fatty acids from S-acylated cysteine residues in proteins. Has depalmitoylating activity towards NRAS and DLG4/PSD95.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213559



Western blot validation of overexpression lysate (Cat# [LY412016]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213559 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).