

Product datasheet for **RC202250**

FAM241B (NM_145306) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM241B (NM_145306) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FAM241B
Synonyms: C10orf35
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202250 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCGGATCTTGCCAATGGGAAATCGTGCAGGATGACGACCCCGAGTGAGGACCACTACCCAGC
CACCAAGAGGTAGCATTCTCGACAGAGCTTCTCAATAGGGGCCATGGTCTCCCCAGGGGTCTCTGG
CCCCGCCAGCAGCAGGCAGGTGCCAGGCTGGGTGCTGCTCAGTCCCCCTCAATGACCTCAACCGCAG
CTGGTGAACATGGGCTTCCGCAGTGGCATCTCGCAACCATGCTGTGGAGCCGGTGACCTCCATCTGC
TCCTTCTCTGCTCATGATGCTTGGTGTTCGTGGCCTCCTCTGGTTGGCCTTGCTACCTGGTGTCCA
CCTGAGTCAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202250 protein sequence
Red=Cloning site Green=Tags(s)
MVRILANGEIVQDDPRVRTTTQPPRGSIPRQSFFNRGHGAPPGGPGRQQAGARLGAAQSPFNDLNRQ
LVNMGFPQWHLGNHAVEPVTSILLLLFLLMMLGVRLLLLVGLVYLVSHLSQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6308_f11.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_145306

ORF Size: 363 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_145306.1](#), [NP_660349.1](#)

RefSeq Size: 1092 bp

RefSeq ORF: 366 bp

Locus ID: 219738

UniProt ID: [Q96D05](#)

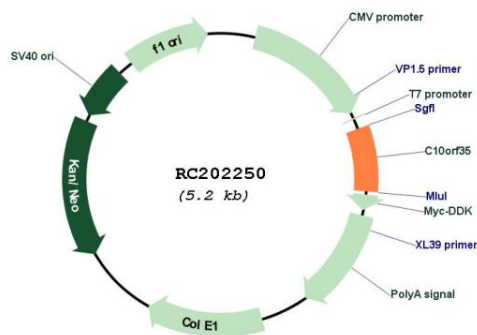
Cytogenetics: 10q22.1

Protein Families: Transmembrane

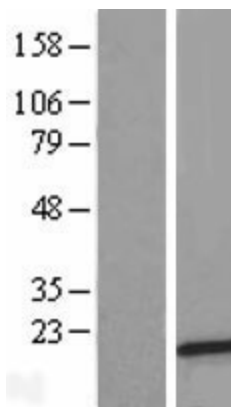
MW: 13.2 kDa

Gene Summary: May play a role in lysosome homeostasis.[UniProtKB/Swiss-Prot Function]

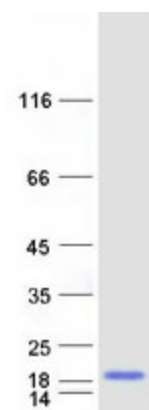
Product images:



Circular map for RC202250



Western blot validation of overexpression lysate (Cat# [LY407955]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202250 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM241B protein (Cat# [TP302250]). The protein was produced from HEK293T cells transfected with FAM241B cDNA clone (Cat# RC202250) using MegaTran 2.0 (Cat# [TT210002]).