

Product datasheet for **RC209580**

FAM13C1 (FAM13C) (NM_001001971) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM13C1 (FAM13C) (NM_001001971) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM13C1
Synonyms:	FAM13C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC209580 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTTCTTGTTCGTTCAGCCTTCAGGATAATTCCTTCAGCAGCACCCTGTAACAGAGTGTGACG
 AAGATCCAGTCTCTACATGAAGACCAGACTGATTGCTCCAGTCTCAGAGATGAAAACAATAAAGAGAA
 CTACCCCGACGCAGGGGCTCTGGTAGAAGAGCAGCGCCGCCCTCTTGGGAGCCGACGAGCAGAATGTA
 GAGGCGACCGTGTGGTGGACAGCGTATTGCGACCCAGCATGGGCAACTCAAGTCCAGGAAGCCCAAGT
 CCATCTTCAAAGCGGAGAGCGGGAGGAGCCACGGAGAAAGTCAGGAGACAGAGCATGTGGTATCCAGCCA
 GTCAGAGTGTGAGGTGAGAGCAGGAACACCAGCTCATGAGAGTCCACAAAACAATGCCTTCAAGTGCCAA
 GAAACAGTGCAGCTTCAACCAAGAATAGACCAGAGGACTGCCATTCGCCAAAGGATGCTTTTGAAACTC
 GGCAGGACTTAAATGAGGAAGAAGCTGCTCAGGTGCATGGAGTCAAGGACCCGGCGCCAGCATCAACCCA
 GAGCGTGCTTCCGATGGGACAGATTCTGCAGACCCCTCACCAGTCCACAAAGATGGGCAGAATGAGGCC
 GACAGTGCACCAGAAGACCTCCACTCTGTGGGGACCGAGGCTGCTCTATCACATCACTGATGGTGATA
 ACCCACTGCTGTGCGCACGATGCTCCATCTTCAGCCAAAGCCAGAGATCAACTTAGACCCCGAGTCAGC
 CCCATCTCCACCCAGCACTCAGCAGTTTATGATGCCGCGGAGTTCTTACGCTGCAGCTGTGGAGATGGC
 AAGGAGCCACAGACCATCACCCAGCTCACCAAGCACATCCAGAGCCTCAAGCGGAAAATTCGGAATTTG
 AAGAAAAATTTGAACAAGAAAAGAAATACCGGGTAACCTAAGCAAGACAAGAACCTCATAAAGCCGCTTTA
 TGACCGATACAGAATTATCAAGCAAACTTGTCAACACCTTCCCTTATTCACAAATTCAGGAGGAAGAG
 GACTCTGATGAAGACCGTCCACAGGGAAGCCAACAACCTTCTTTGGCAGATCCAGCATCTCACCTTCCTG
 TTGGTGACCACCTCACCTACTCTAATGAGACTGAGCCTGTTAGGGCCCTTTACCAGATGAAAAGAAAGA
 AGTAAAACCAACAGCTCTCTCCATGTCTAATTTACATGAGGCTACCATGCCTGTACTTCTTGACCATCTC
 CGAGAACTAGGGCTGACAAGAAGAGACTGCGGAAAGCCTTAAGAGAATTTGAAGAACAGTTTTTAAAC
 AAACAGGAAGAAGTCCACAAAAGGAAGATAGGATACCAATGGCAGATGAGTATTATGAATATAAGCACAT
 AAAAGCCAACTGAGACTATTAGAGTCTCATCAGCAAGCAAGATGTGGCCAAACTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209580 protein sequence
 Red=Cloning site Green=Tags(s)

MFSCFCFSLQDNSFSSTTVTECDEDPVSLHEDQTDCCSLRDENNKENYPDAGALVEEHAPPSWEPQQQNV
 EATVLDVSVLRPSMGNFKSRPKSIFKAESGRSHGESQTEHVVSQSECQVRAGTPAHESQNNAFKQ
 ETVRLQPRIDQRTAISPKDAFETRQDLNEEEAAQVHGKDPAPASTQSVLADGTDSDPSVHKDGQNEA
 DSAPEDLHVSQTSRLLYHITDGNPLLSRCSIFSQSQRFNLDPEASPPSTQQFMMPRSSRSCGDDG
 KEPQTITQLTKHIQSLKRKIRKFEKFEQEKYRVTKQDKNLIKPLYDRYRIKQILSTPSLIPTIQEEE
 DSDEDRPQGSQQPSLADPASHLPVGDHLYSNETEPVRALLPDEKKEVKPPALSMSNLHEATMPVLLDHL
 RETRADKKRLRKALREFEEQFFKQTRSPQKEDRIPMADEYYEYKHIAKLRLLLEVLISKQDVAKTI

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6677_h09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001001971

ORF Size: 1461 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001001971.2](#), [NP_001001971.1](#)

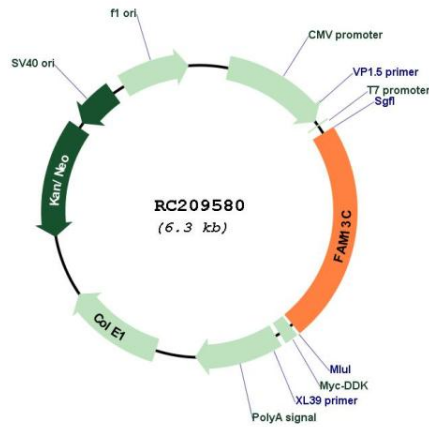
RefSeq Size: 3101 bp

RefSeq ORF: 1464 bp

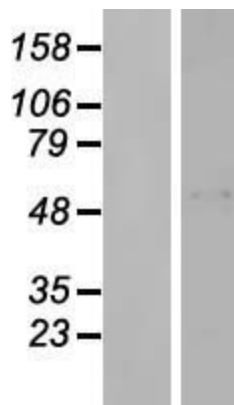
Locus ID: 220965

UniProt ID: [Q8NE31](#)
 Cytogenetics: 10q21.1
 MW: 55 kDa

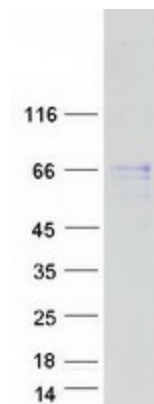
Product images:



Circular map for RC209580



Western blot validation of overexpression lysate (Cat# [LY424301]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209580 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM13C protein (Cat# [TP309580]). The protein was produced from HEK293T cells transfected with FAM13C cDNA clone (Cat# RC209580) using MegaTran 2.0 (Cat# [TT210002]).