

Product datasheet for **RC236608**

FAM177A1 (NM_001289022) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | FAM177A1 (NM_001289022) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FAM177A1 |
| Synonyms: | C14orf24 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC236608 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCAGGAGCCAGTGGGCGGTGTGGAACGAGGAGAAGCCGTCGCAGCCTCGGGAGCTGCGGCCCGC
CGGCATTCGGGGAATCTGCAGGGCAGATGAGTAACGAAAGAGGCTTTGAAAATGTAGAACTGGGAGTCAT
AGGAAAAAGAAGAAAGTCCAAGGAGAGTCATCCACTTGTAGTGGTAAACAATGGAAGAATATAGC
ACAGATGAAGACGAAGTTGATGGCCTGGAGAAGAAAGATGTTTTGCCTACTGTTGATCCGACAAACTTA
CCTGGGGTCCCTACTTATGGTTTTACATGCTTCGGGCTGCTACATCAACTCTCTCAGTGTGTGACTTCCT
TGGAGAGAAGATTGCATCTGTTTTGGGTATCAGCACCCCAAGTACCAATATGCCATTGATGAATATTAT
CGGATGAAGAAGGAGGAAGAAGAAGAAGAAGAAAACAGGATGTCTGAAGAAGCAGAAAAACAATATC
AACAGAATAAATTGCAGACTGATTCCATTGTTCCAGACAGATCAACCAGAGACAGTGATATCCAGCTCATT
TGTGAATGTCAATTTTGAATGGAGGGAGACAGTGAAGTAATTATGGAAAGCAAGCAAAATCCAGTCTCT
GTCCCACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236608 protein sequence
 Red=Cloning site Green=Tags(s)

MDQEPVGGVERGEAVAASGAAAAAFGESAGQMSNERGFENVELGVIGKKKKVPRRVIHFVSGETMEEYS
 TDEDEVGLEKKDVLPTVDPTKL TWGPYLW FYMLRAATSTLSVCDLGEKIASVLGISTPKYQYAIDEYY
 RMKKEEEEEENRMSEEA EKQYQNKLQTD SIVQTDQPETVISSSFVNVN FEMEGDSEVIMESKQNPVS
 VPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6321_g08.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_001289022

ORF Size: 639 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_001289022.2](#)

RefSeq Size: 2999 bp

RefSeq ORF: 642 bp

Locus ID: 283635

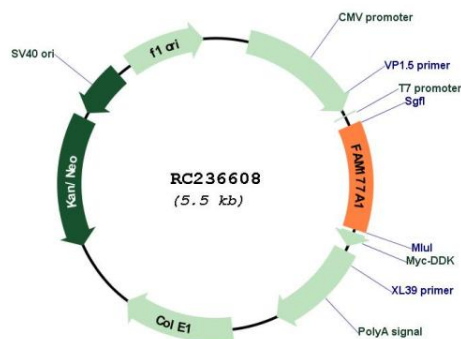
UniProt ID: [Q8N128](#)

Cytogenetics: 14q13.2

MW: 23.8 kDa

Gene Summary: This gene encodes a member of a conserved protein family. Alternative splicing results in multiple transcript variants. This gene is thought to be associated with susceptibility to juvenile idiopathic arthritis. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RC236608