

Product datasheet for **RC238462**

FAM227A (NM_001291030) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM227A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC238462 representing NM_001291030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTCTTTTCATGGGTCAAGAGACAAAGGAAATCTCAGTATTCCTGCAAAGGCTCCGAATCAGACATG
 CCAGATCTTCTGTTATAAAAGGAAAACAGCAGATAAAAAATCTGCTGGCAGAGCTGTACCAGTATTCCAA
 CTTCAACAGCTCCAAGCCAAACAAGCTTCCGAATGGCGTGGACTTCTGTGACATGGTGGGCAACGTGGTC
 CGGGCTGAGAGAGACTGCCTTAGTGGCAAGCATTTCTGTTCAAGTAGAGAAATTAGAGAAGTTTCTCTCTT
 CTTCTTCTCCAAGGCCATCTGGCTGGATAGCTTTTGGTGGATATTTATGAGAGGTACCAGCCAAACAA
 GGAGCTCCAGAATAATCTGTTTGACCGGATAGCCAGCACTATGCCTTACTTTTGTTCGTGTACCCAAG
 TCCCACTCTGAAGAGCGCTCTTAAAAAGGCTGCCATCACTTCTCAGCAAAGCGGTGTACACCAGTTCT
 GTTGCTGCTTTCACAGTCCTGGTTCGACACGCACGAATCAAGTCTGACATCTGTAACACAATGAGCCT
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 CGATTCGCGAGAGAAGAATTAATGTTGTACAGAAGAAGACTGACAAAGGGGAGAGATTTTCTTTGTTTG
 CTGGTAAGAGAGCCTTCTCCAGAAGCCAGCCAGAGCAGGAAATCTACCACCTCAGTCTTCTAGTGC
 AAATTCACCCAGTGAAAAACCTCTTCGGCCAAGCAGAATCAGAAAAAGCTTACGAATGCAGAATACT
 GCAAAAGAGCATCATTGTCAGACCTGGTCTTGAAGAACTACGCAAGAAGTCAAGAGGATATCAGAAG
 CAAGAGAATGTGAGAATATGTTTCTAAAAAGTCTGTGCTGCCTGCAAAAGCCCTGAGCTGACTTCAAA
 CCTCTTCAACATTTATGGAAGAGCCCTCTGATTGTGTAATTTCTCCAGAATATGCCAGTCTGCAGCAG
 CACGGCAAGAATGTGTTGATAGTCAGAAGGAAAAGACCAGCAGCACCCCTGACTGCACCCCAACGTATA
 CTGATGTCATCAGCGAGACCTGTGCAGCATGAAGAAGCGGAAAGACAACCTCAATCAGTTGTACCAGCA
 TCATTGGACTGAATGGAATTATTTTACAAAGCATCTAAAGGAGCTGCAAGACAATCTCCAGGGAAATG
 AAGAATATTGATCCAAAAGCAGCAGATACAAAAAGGCAAAACCATGTTTATCCACCTTCAGCCGTCA
 ATGAGGAATCACCTGACAAGAAAATAAGGAGGGGAAAGGAGAGGGGAAAGAGAAGAAACAGAAGT
 TGAACATTTCTTCCACTCACTTCCAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC238462 representing NM_001291030
 Red=Cloning site Green=Tags(s)

MLFSWVKRQRKSQYSCKGSELRHARSSVIKRTADKNLLAELYQYSNFNSSKPNKLPNGVDFCDMVGNNV
 RAERDCLSGKHFCSGRELEKFLSSSSPRAIWLDSFWWIFHERYQPNKELQNNLFDRIAQHYALLFRVPK
 SHSEEALLKRLPSLLSKAVYTSFCCCFPQSWFDTHEFKSDICNTMSLWISGTYSPSPQSYDSWDYSELDPE
 RFRREELMLYRRRLTKGREFSLFAGKRAFQKPAQSRKFYHPQSSANSPEKTSSAKQNSEKSLRMQNT
 AKEHHCQTLVLKKPTQEVKRISEARECENMFPPKSCAACKSPELTSNLFNIYKGSPLIVYFLQNYASLQQ
 HGKNVLIVRREKTTSTPDCTPTYTDVISETLCSMKRKRKDNLNQLYQHWHTEWNYFDKHLKELQDNFSREM
 KNIDPKAADTKKANHMFIPPSAVNEESPDKKTKEGKGEGKRRETEVEHFFPLTSKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291030

ORF Size: 1431 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:

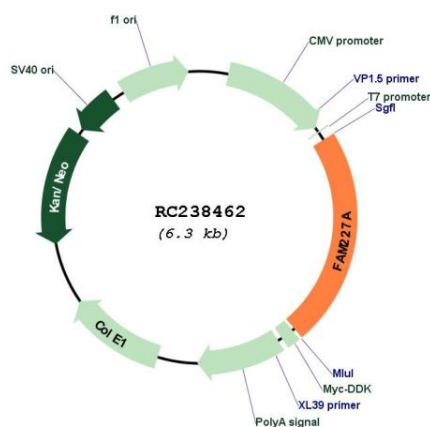
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001291030.2](#)

RefSeq Size: 10362 bp
RefSeq ORF: 1434 bp
Locus ID: 646851
UniProt ID: [F5H4B4](#)
Cytogenetics: 22q13.1
MW: 56.1 kDa

Product images:



Circular map for RC238462