

Product datasheet for **RC214106**

FAM55D (NXPE4) (NM_001077639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM55D (NXPE4) (NM_001077639) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM55D
Synonyms:	C11orf33; FAM55D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214106 representing NM_001077639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAATAAGTATGATAAATTATAAGTCACTATTGGCACTGTTGTTTATATTAGCCTCCTGGATCATT
 TTACAGTTTTCCAGAACTCCACAAGGTTTGGTCTGCTCTAAACTTATCCATCTCCCTCCATTACTGGAA
 CAACTCCACAAAGTCCTTATTCCCTAAAACACCACTGATATCATTAAAGCCACTAACAGAGACTGAACTC
 AGAATAAAGGAAATCATAGAGAACTAGATCAGCAGATCCACCCAGACCTTTCACCCACGTGAACACCA
 CCACCAGCGCCACACATAGCACAGCCACCATCCTCAACCCTCGAGATACGTAAGTGCAGGGGAGACCAGCT
 GCACATCTGCTGGAGGTGAGGGACCCTTGGGACGCAGGAAGCAATATGGCGGGGATTTCTGAGGGCC
 AGGATGTCTTCCCAGCGCTGATGGCAGGTGCTTCAGGAAAGGTGACTGACTTCAACAACGGCACCTACC
 TGGTCAGCTTCACTCTGTTCTGGGAGGGCCAGGTCTCTGTCTCTGCTGCTCATCCACCCAGTGAAGG
 GGTGTCAGCTCTCTGGAGTGCAAGGAACCAAGGCTATGACAGGGTATCTCACTGGCCAGTTTGTCAAT
 GGCACTTCCCAAGTCCACTCTGAATGTGCCTGATCCTAAACACAAATGCTGAATTGTGCCAGTACCTGG
 ACAACAGAGACCAAGAAGGCTTCTACTGTGTGAGGCCTCAACACATGCCCTGTGCTGCACTCACTACAT
 GTATTCTAAGAACAAGAAAGTTTCTTATCTTAGCAAAACAAGAAAGAGCCTTTTGAAAGGTCAAATGTG
 GGTGTAGAGATTATGGAAAAATCAATACAATTAGTGTCTCCAAATGCAACAAAGAAACAGTTGCAATGA
 AAGAGAAATGCAAGTTTGGAAATGACATCCACAATCCCCAGTGGGCATGTCTGGAGAAACACATGGAATCC
 TGTCTCCTGTAGTTTGGCTACAGTCAAAATGAAGGAATGCCTGAGAGGAAAACATACATACCTAATGGGA
 GATTCCACGATCCGCCAGTGGATGGAATACTTCAAAGCCAGTATCAACACACTGAAGTCAAGTGGATCTGC
 ATGAATCTGAAAATTGCAACACCAGCTTGCTGTGGATTTGGATAGGAACATCAACATCCAGTGGCAAAA
 ATATTGTTATCCCTTGATAGGATCAATGACCTATTTCAGTCAAAGAGATGGAGTACCTCACCCGGGCCATT
 GACAGAACTGGAGGAGAAAAAATACTGTCTGTTATTTCCCTGGGCCAGCATTTCAGACCCTTTCCCA
 TTGATGTTTTTATCCGAAGGGCCCTCAATGTCCACAAAGCCATTGAGCATCTTCTCTGAGAAGCCAGCA
 CACTATGGTTATCATCAAAACAGAAAACATCAGGGAGATGACAATGATGCAGAAAGATTAGTGACTTT
 CATGGTTACATTCAATATCTCATATAAAGGACATTTTCCAGGATCTCAGTGTGAGTATCATTGATGCC
 GGGATATAACAATTGCATATGGCACAATAATGTACCCACCTCAACATGTAGTCGAAATCAGATTAA
 TATATTATAAACTATATTTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214106 representing NM_001077639
 Red=Cloning site Green=Tags(s)

MKISMINYKSLALLFILASWIIFTVFQNSTKVVWSALNLSISLHYWNNSTKSLFPKTPILSKPLTETEL
 RIKEIEKLDQQIPPRPFTHVNTTTSATHSTATILNPRDITYCRGDLHILLEVRDHLGRRKQYGGDFLRA
 RMSSPALMAGASGKVTFDFNNGTYLVSFTLFWEGQVSLSLLLIHPSEGVSALWSARNQGYDRVIFTGQFVN
 GTSQVHSEGLILNTNAELCQYLDNRDQEGFYCVRPQHMPAAL THMYSKNKKVSYLSKQEKSLFERSNV
 GVEIMEKFNTISVSKCNKETVAMKEKCKFGMTSTIPSGHVWRNTWNPVSCSLATVKMKECLRGKLIYLMG
 DSTIRQWMEYFKASINTLKSVDLHESGKLQHQVLAVDLDRNINIQQWQKYCYPLIGSMTYSVKEMEYLTRAI
 DRTGGEKNTVIVISLGQHFRRPFDVFI RRALNVHKAIQHLLLRSPD TMVIK TENIREMYNDAERF SDF
 HGYIQYLI IKDIFQDLSVSIIDAWDITIA YGTNNVHPPQHVVGNQINILLNYIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8005_d06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001077639

ORF Size: 1632 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

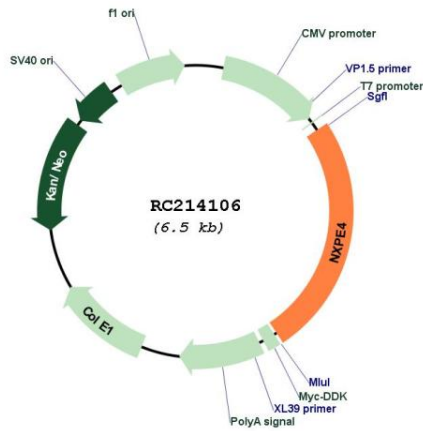
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001077639.2](#)

RefSeq Size: 2179 bp
 RefSeq ORF: 1635 bp
 Locus ID: 54827
 UniProt ID: [Q6UWF7](#)
 Cytogenetics: 11q23.2
 Protein Families: Secreted Protein, Transmembrane
 MW: 62.1 kDa

Product images:



Circular map for RC214106