

Product datasheet for **RG214106**

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:	TurboGFP
Symbol:	FAM55D
Synonyms:	C11orf33; FAM55D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214106 representing NM_001077639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAAAGTATGATAAATTATAAGTCACTATTGGCACTGTTGTTTATATTAGCCTCCTGGATCATT
 TTACAGTTTTCCAGAACCACAAAGGTTTGGTCTGCTCTAAACTTATCCATCTCCCTCCATTACTGGAA
 CAACTCCACAAAGTCCTTATCCCTAAAACACCACTGATATCATTAAAGCCACTAACAGAGACTGAACCTC
 AGAATAAAGGAAATCATAGAGAACTAGATCAGCAGATCCACCCAGACCTTTCACCCACGTGAACACCA
 CCACCAGCGCCACACATAGCACAGCCACCATCCTCAACCCTCGAGATACGTAAGTGCAGGGGAGACCAGCT
 GCACATCTGCTGGAGGTGAGGGACCCTTGGGACGCAGGAAGCAATATGGCGGGGATTTCTGAGGGCC
 AGGATGTCTTCCCAGCGCTGATGGCAGGTGCTTCAGGAAAGGTGACTGACTTCAACAACGGCACCTACC
 TGGTCAGCTTCACTCTGTTCTGGGAGGGCCAGGTCTCTGTCTGCTGCTCATCCACCCAGTGAAGG
 GGTGTCAGCTCTCTGGAGTGCAAGGAACCAAGGCTATGACAGGGTATCTCACTGGCCAGTTTGTCAAT
 GGCACTTCCCAAGTCCACTCTGAATGTGCCTGATCCTAAACACAAATGCTGAATTGTGCCAGTACCTGG
 ACAACAGAGACCAAGAAGGCTTCTACTGTGTGAGGCCTCAACACATGCCCTGTGCTGCACCTCACTCACAT
 GTATTCTAAGAACAAGAAAGTTTCTTATCTTAGCAAAACAAGAAAGAGCCTCTTTGAAAGGTCAAATGTG
 GGTGTAGAGATTATGGAAAAATCAATACAATTAGTGTCTCCAAATGCAACAAAGAAACAGTTGCAATGA
 AAGAGAAATGCAAGTTTGGAAATGACATCCACAATCCCCAGTGGGCATGTCTGGAGAAACACATGGAATCC
 TGTCTCCTGTAGTTTGGCTACAGTCAAAATGAAGGAATGCCTGAGAGGAAAACTCATACCTAATGGGA
 GATTCCACGATCCGCCAGTGGATGGAATACTTCAAAGCCAGTATCAACACACTGAAGTCAGTGGACTGC
 ATGAATCTGAAAAATTGCAACACCAGCTTGTCTGGATTGGATAGGAACATCAACATCCAGTGGCAAAA
 ATATTGTTATCCCTTGATAGGATCAATGACCTATTCAGTCAAAGAGATGGAGTACCTCACCCGGGCCATT
 GACAGAACTGGAGGAGAAAAAAATACTGTCTGTTATTTCCCTGGGCCAGCATTTCAGACCCTTTCCCA
 TTGATGTTTTTATCCGAAGGGCCCTCAATGTCCACAAAGCCATTGAGCATCTTCTCTGAGAAGCCAGA
 CACTATGGTTATCATCAAAACAGAAAACATCAGGGAGATGACAATGATGCAGAAAGATTAGTGACTTT
 CATGGTTACATTCAATATCTCATATAAAGGACATTTTCCAGGATCTCAGTGTGAGTATCATTGATGCCT
 GGGATATAACAATTGCATATGGCACAATAATGTACCCACCTCAACATGTAGTCGAAATCAGATTAA
 TATATTATTAACATATTTGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214106 representing NM_001077639
 Red=Cloning site Green=Tags(s)

MKISMINYKSLALLFILASWIIFTVFQNSTKVSALNLSISLHYWNNSTKSLFPKTPILSKPLTETEL
 RIKEIIEKLDQIIPRPFTHVNTTTSATHSTATILNPRDTCYRGDQLHILLEVRDHLGRRKQYGGDFLRA
 RMSSPALMAGASGVVDFNNGTYLVSFTLFWEGVSLSLLLIHPSEGVSALWSARNQGYDRVIFTGQFVN
 GTSQVHSECGLILNTNAELCQYLDNRDQEGFYCVRPQHMPAALTHMYSKNKVSYSKQEKSLFERSNV
 GVEIMEKFNTISVSKCNKETVAMKEKCKFGMTSTIPSGHVWRNTWNPVSCSLATVKMKECLRGKLIYLMG
 DSTIRQWMEYFKASINTLKSVDLHESGKLQHLAVDLDRNINIQQWQKYCYPLIGSMTYSVKEMEYLTRAI
 DRTGGEKNTVIVISLQHFRRPFDVFIARRALNVHKAIQHLLLRSPDTMVIKNTENIREMYNDAERFSDF
 HGVIQYLIKIDIFQDLSVSIIDAWDITIAYGTTNNVHPPQHVVGNQINILLNYIC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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](#)

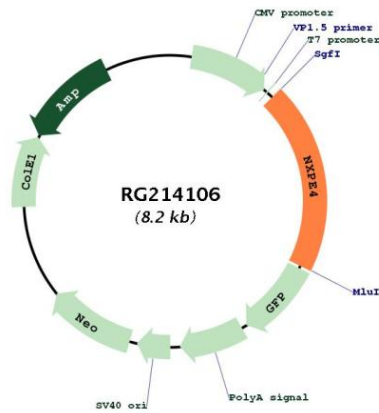
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

Product images:



Circular map for RG214106