

Product datasheet for **SC325197**

FAM55C (NXPE3) (NM_001134456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM55C (NXPE3) (NM_001134456) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM55C
Synonyms:	FAM55C; MST115; MSTP115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325197 representing NM_001134456.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGACCAATTTCTTCAAACACGGCTTTTCTGCTGCTGCTTGCAGTGTGATGGTGGTGGTGCTG
GTCATCAATGTTACTCAGGTAGAGTACTTGGACCATGAGACTGTTTCAGCCACTTTCATCGACAGCAGT
GGACAGTTTGTTCCTCCAGGTGACAGGAATTAGCCGAAATCCCTACTGTGGCTATGATCAGCAGACC
CTGTCCAGCCAGGAGCGCATGGAGGAGGACTCCTTGCTGGCTGCCCTTGACCGGCGAGGTTCTGATGTG
GGCCAGTCCCCTTTGTGAAGAGCACTGACCTTCTTCCAGCTACTTTGTCATCTTGAACCTGCTGCC
TTCTTTAAGGTGGGAAGCCAGCTTGAGGTGCTGGTTCATGTGCAGGATTTTCAAAGAAAGCCCAAGAAG
TATGGTGGAGACTACCTGCAGGCCAGAATTCACCTCCCAAGCTGCAGGCTGGGGCTGTGGGCAGGGTG
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GAGAGTGCTTTCTTCCAGAGTGGTGTCAATATCAAATGCCAGTCAACTCCAGTGACCTGATTGGGTA
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AACATTACAGAGTGCTTACAAAGAAAAGTGGTGCATTTATTTGGTGACTCAACAATCAGGCAATGGTTT
GAATACCTTACTACATTTGTTCCAGATTTAGTGGAGTTTAACTTGGGTAGTCCCAAGAATGTGGGTCCC
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ACCATCCTTCGGAGGATGTTCTCAGGGGTTGGAGTATATCTCGTCGATGCCTGGGAGATGACCCTGGCC
CATTATCTACCGACAAGCTGCATCCAGATGAAGTTATTGTGAAGAACGAGCTGGACATGTTCTTGTCC
TTTGTGTGCCCTTGAAACCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001134456

Insert Size: 1680 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001134456.1</u>
RefSeq Size:	8929 bp
RefSeq ORF:	1680 bp
Locus ID:	91775
UniProt ID:	<u>Q969Y0</u>
Cytogenetics:	3q12.3
Protein Families:	Transmembrane
MW:	63.8 kDa
Gene Summary:	This gene encodes a member of the neurexophilin family of neuropeptide-like glycoproteins. The encoded protein contains a variable N-terminal domain, a highly conserved neurexophilin and PC-esterase (NXPE) central domain, a short linker region, and a cysteine-rich C-terminal domain. This protein binds alpha neurexins, a group of presynaptic transmembrane receptors that promote adhesion between dendrites and axons. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017] Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1-8 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.