

Product datasheet for **SC100053**

FAM55C (NXPE3) (NM_145037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM55C (NXPE3) (NM_145037) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM55C
Synonyms:	FAM55C; MST115; MSTP115
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100053 sequence for NM_145037 edited (data generated by NextGen Sequencing)

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ATGTGGACCAATTTCTTCAAACACGGCTTTCTGCTGTCTGCTGCAGTGTGATGGT
GTGGTGTGTCATCAATGTTACTCAGGTAGAGTACTGGACCATGAGACTGTTTCAGCC
ACTTTCATCGACAGCAGTGGACAGTTTGTTCCTCCAGGTGACAGGAATTAGCCGAAAT
CCCTACTGTGGCTATGATCAGCAGACCTGTCCAGCCAGGAGCGCATGGAGGAGGACTCC
TTGCTGGCTGCCCTTGACCGGCAGGTTCTGATGTGGGCCAGTCCCCTTTGTGAAGAGC
ACTGACCCCTTCTCCAGCTACTTTGTCTCTTGAACCTCTGCTGCCCTTTAAGGTGGGA
AGCCAGCTTGAGGTGCTGGTTCATGTGCAGGATTTTCAAAGAAAGCCCAAGAAGTATGGT
GGAGACTACCTGCAGGCCAGAATCACTCCCTCAAGCTGCAGGCTGGGGCTGTGGGCAGG
GTGGTGGATTACCAGAATGGGTTTTACAAGTTTTCTTACTTTGCTATGGCCAGGCAAA
GTTAAAGTATCCGTATCTCTGGTCCACCCAGTGAAGGGATCAGAGTTCTTCAGCGCTTA
CAGGAAGATAAACACAGACAGGCTCTATTCAAGAGTCTCTCCGTTCCAGGAAGAATTTCT
GAAACTACTGAGTGCAACGTGTGTCTTCTGGGAATCTGCCCTGTGTAACTTTACAGAC
CTCTACACTGGGGAGCCCTGGTCTGCTTCAAACCAAAGAAGCTCCCTTGACGACGAGA
ATTACCCATTTCAAAGGTGGATACCTGAAAGGTCTCTAACCGCTGCAGAGAGTGCTTTC
TTCCAGAGTGGTGTCAATATCAAATGCCAGTCAACTCCAGTGGACCTGATTGGGTAACT
GTGATTTCCAGGAGAATAAAGAAACTAACAGTCTAGAACTATCTCAAGGCTCAGGAACT
TTTCCTTCTGGGTATTATTATAAAGACAGTGGAGGCCAGAAAGTTTAAGATGCGTCAG
TTTAATGACCCTGACAACATTACAGAGTGCTTACAAAGAAAGTGGTGCATTTATTTGGT
GACTCAACAATCAGGCAATGGTTTGAATACCTTACTACATTTGTTCCAGATTTAGTGGAG
TTTAACTTGGGTAGTCCCAAGATGTGGTCCCTTCCCTTGCACTGGACCAGAAGCACAAC
ATCCTGCTCAAATACCGCTGCCATGGTCCACCCATCCGCTTACGACTGTCTTTAGCAAT
GAGCTCCATTATGTGGCAATGAGCTGAATGGCATTGTGGGAGGGAAGAACACAGTGATT
GCCATAGCTGTATGGTCTCACTTCAGCACCTTCCCTTTGGAAGTGTACATCCGGCGGCTC
AGGAACATCCGTCGAGCAGTGGTTCGGCTCCTCGATCGAAGCCCAAGACCGTGGTGGTC
ATCCGGACGGCCAACGCCAAGAGCTGGGACCTGAGGTGAGCCTTTTCAACAGCGACTGG
TACAACCTTCAGCTGGACACCATCTTCGGAGGATGTTCTCAGGGGTGGAGTATATCTC
GTCGATGCCTGGGAGATGACCCTGGCCATTATCTACCGACAAGCTGCATCCAGATGAA
GTTATTGTGAAGAACCAGCTGGACATGTTCTTGCTCTTTGTGTGCCCTTTGGAACCTAG
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Clone variation with respect to NM_145037.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145037 unedited

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NGGTGGACCATTTGTAATACGACTCACTATAGGGCGGCCGCGNATTCGGCAGGAGGCGG
GCGGGTCCCGGAGCAGAGAATGTTAGAATGTAAAAACATTTATGTGTGCTTCACATGTG
GCATGAAAAAATGAGGACCTCTGGTCAAATTCCTGAGTTCAGAAATTCATGCTGGAAG
GAAAGTTAGACGTAACCTCTAATTTCTAGTTCCAGTAAGCATCTCTTCTGGAAAAATTC
CAAAAAAGAGTCTGCTCTGTTGCCAGGCTGGAGTACATTGGTGTGATGATCATGGTTC
ACTGCAGCCTCGACCTCCAGGCTCAAGCAATTCTCTACCTCAGCCTCCTGAGTAACTG
GGACTATAGGATTTCTTTGAAGAAAAATGTGCTTCTTGAATCAACTGCAGTCTCTCCTCT
GCATAAGAGCTCTTAAGGGTACTAGCAGGATAGAAGCAAATGAACTGAAAGCTCATCTG
CAGCTCAGAAAAGCACAGACATGGAATTTTAAAGAGTGAAGGTAGCATGGCGTCTGCCAT
GGGTGAACAAGACACAGCCAGACAATGTGGACCAATTTCTTCAAACACGGCTTTTCTGC
TGTCTGCTTGCACTGTTGATGGTGGCGGTGCTGGCCATCAATGCTACTCAGGCTGAGCAC
TTGGCACCTGAGACTGTTTTAGCCACTTTATCCACAGCAGCGGACAGTTTCGTTTCTT
CCCCGGTGACAGGAATTACCCGATTCTTACTGCGGCTTATGATAGCAGACCTGTTCC
ACCAGGAACGCCTGCAGGACGACTCCTTGCTGGCTGCCTTGACCCGGTCGGCTCCTTGAT
TGCTCCGCCCTTGTGTGAAACATTCCTCTTTTCCCTTCTTGCCCTTTTACCCCTG
CTGCC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_145037 unedited <pre> CCCCACCCCCCNCCCCCNCCACCAATATTAATAAANATTTGACTTTGGNCCGCGGNC CGCATACNAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGAATAAATCCACAGC TTTATAATACCGTAGCATTCTTTACACAAAAGTCAATTCCTAAACCTCAAATTTAGAA CATAAAATAAATTTCCATTTACAGATTTCCCTTCCAGTTCCAAAAGTAGTTATTCTA GAGTAAGTATTCAACACATAAAATTTAGCTGAATCAAATAAAAAACAATCACAAATGCA AATATCAATTCCAAAGCACAGATTTTATATATACTGCTTTCATATTTCCCTTTTGCTTCT TTTCTAGATAAAAGCAGGAAATTGTAAATATTCACTAAAAAACTCGAACCAAGCATTG GCCTTTTCAAGTAATTCAGAAAAGGTAGATCATCAAGAGAACTCCTGAGACACAGCAGT CTTCAGTGCATTACAAGAGCCTCTGACTATAAGCTTTCTCTAGTTAACCGCCAGAAGAT GGATTACTTGTGCTATGCATGCAGATGCACTCAATTTCTTTACCAGATAAGCTACAAAC ACTCTACTACCAACCAAACTTGGCCCTTCCATCAAACATTTTTCATACTCTTTAGCAA GTAGTACCCCTCCTAGGAGAAGCTAATTCAAATACACTCATTAGCATCTTTGGTTACAA GAGCAATATAGTGTAGATGCAGTTAAGAGTTCTACCATGGCTAAGTCAACATTGGGAA AAAATCCTATAGGTAGATATAAATGTAACCCGATTTTCTAAAGCTCCTTATAAGTCATC ATATTTAAGTCCAGATCTTTTTTGAAATTTTATACCTATTTAAGGCGCGCATCTTTAAC GGGGGCCCACTTCTGTAACCTCAGGGTCATTGGAGAAAGGCATTGAATAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145037
Insert Size:	3000 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).
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_145037.1 , NP_659474.1
RefSeq Size:	3949 bp
RefSeq ORF:	1680 bp
Locus ID:	91775
UniProt ID:	Q969Y0
Cytogenetics:	3q12.3
Protein Families:	Transmembrane

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 (2) differs in the 5' UTR, compared to variant 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.