

Product datasheet for **SC103714**

FAM73B (MIGA2) (NM_032809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FAM73B
Synonyms:	C9orf54; FAM73B
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_032809, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTTCCGGAGGGCCGAGGGCACGTCTATGATCCAGGCCCTGGCCATGACGGTGGCCGAGATCCCCG
TGTTCTCTGTACACGACGTTTGGGCAGTCTGCATTCTCCAGCTACGGTTGACGCCAGGCCTGCGGAAAGT
CCTCTTTGCCACGGCCCTGGGACTGTGGCCCTGGCCCTGGCTGCCACCAGCTGAAGAGGGCAGCGAGG
AGGAAGAAGCAGGTTGGTCCCAGATGGGAGGGGAGCAGCTGGGCACGGTGCCCTCCCTATCCTCTTGG
CCAGGAAGGTCCCTTCAGTGAAGAAAGGATACTCCAGCCGGAGAGTCCAGAGCCCCAGCAGCAAGAGCAA
CGACACCTTGAGTGGCATCTCTCCATTGAGCCAGCAAGCACTCGGGCTCCTCCCACAGTGTGGCCTCG
ATGATGGCAGTGAACCTCATCCAGCCCCACAGCCGCTGCTCGGGACTATGGGATGCCAGAGGGATGGAGG
AGTCTCTGACCACCAAGCGACGGCAATGCAGAGAGCCTGTACATGCAAGGCATGGAGCTGTTTGAAGAAAG
TCTGCAAGTGGGAGCAGGCACTAAGCGTGGGCCAGCGGGGGACAGCGGCAGCACCCCATGCCCAGG
GACGGCCTCCGGAACCCAGAGACTGCATCAGAGCCACTGTCTGAGCCAGAGTACAGCGGAAGGAGTTTG
CAGAGAAGCTGGAGTCCCTGCTGCACCGTGCCTACCACCTGCAGGAGGAGTTTCGGCTCCACCTTCCCCGC
AGACAGCATGCTGTAGACCTCGAGAGGACCCTCATGTGCCCTGACCGAGGGCTCGCTGCGGCTGCGG
GCGGACGATGAGGACAGCCTGACTTCAGAGGATTCTTCTTCTCCGCCACCGAGCTCTTTGAGTCCCTGC
AGACTGGAGATTACCCGATCCCACTCTCCAGACCCGCGCTGCCTATGAGGAGGCCCTGCAGCTGGTGAA
GGAGGGGAGAGTGCCTTGCCGACCCCTCAGGACGGAGCTGCTGGGCTGTACAGTGACCAGGACTTTCTG
GCCAAGCTGCACTGTGTGCGGCAGGCCTTCGAGGGGCTTCTGGAAGACAAGAGTAACCAAGCTTTTCTTCG
GGAAAGTGGGCCGACAGATGGTGACAGGCCTGATGACCAAGGCTGAGAAGAGCCCCAAAGGCTTCTGGA
GAGCTACGAGGAGATGCTGAGCTATGCCCTGCGGCCGAGACCTGGGCCACAACACGGCTGGAGCTGGAG
GGCCGAGGGGTGGTATGCATGAGCTTCTTCGACATCGTGTGACTTCATCCTCATGGACGCTTCGAGG
ACCTGGAGAACCCTCCGGCCTCGGTGCTCGCCCTCCTGCGGAACCGCTGGCTGTGAGACAGCTTCAAGGA
GACGGCCTTGGCCACTGCTTGTGCTGGTCTGAAAGCCAAGAGGAGGCTGCTGATGGTGCCTGATGGC
TTATCTCCTCATTTCTACTCCGATCGGAGCATGTGAGCCCTGTCTAGCCTTCGGCTTCTTTGGACCCA
AGCCTCAGCTTGTGAAGTCTGTGCTTTCTCAAGCACCAGATTGTGAGTACCTGAGGGACATGTTTCA
CCTGGACAATGTGCGCTACACGTCACTGCCCGCTGGCAGACGACATCCTGAGCTGTCCCGGCCCGC
AGCGAGATATTGCTGGGGTACCTGGGGTGCCCGCGGCCAGCAGCGCAGCGTGAATGGGGCGCTGCCCC
GAGAGAATGGGCCCTGGGGGAGCTGCAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032809 unedited

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NGGTTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTGCGACGAGGGNAAAACA
AGAGTAACCAAGCTTTTCTTGGGAAGTGGGCCGACAGATGGTGACAGGCCTGATGACCAA
GGCTGAGAAGAGCCCCAAAGGCTTCTGGAGAGCTACGAGGAGATGCTGAGCTATGCCCT
GCGGCCCGAGACCTGGGCCACAACACGGCTGGAGCTGGAGGGCCGAGGGGTGGTATGCAT
GAGCTTCTTCGACATCGTGTGACTTCATCCTCATGGACGCTTCGAGGACCTGGAGAA
CCCTCCGGCCTCGGTGCTCGCCGCTCCTGCGGAACCGCTGGCTGTGACAGAGCTTCAAGGA
GACGGCCTTGGCCACTGCTTGTGCTGGTCTGAAAGCCAAGAGGAGGCTGCTGATGGT
GCCTGATGGCTTCATCTCCATTTCTACTCCGATCGGAGCATGTGAGCCCTGCTTACG
CTTCGGCTTCTTGGACCAAGCCTCAGCTTGTGAAGTCTGTGCTTTCTCAAGCACCA
GATTGTGAGTACCTGAGGGACATGTTGACCTGNACAATGTGCGCTACACGTAAGTCC
CGCGCTGGCAGACGACATCCTGCAGCTGTCCCGCGCCGACGAGATATTGCTGGGGTA
CCTGGGGGTGCCNCGCGCAGCAACGACGCGTGAATGGGGCGCTGCCCGAGAGAATGG
GCCCCCTGGGGGAGCTGCANTANAGGCGGAACGGCTGGGGGGTGCAAAAAAAGGCTCTN
CTCCTTNCCCTGGGTGGATCCGACACCTGTGGGGTAAGGGCCTTCTCCCTTACTTTG
CCCCCCTTATTGGGTCCCAGGCCAAGGAATTCCGGA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032809 unedited <pre> GGGGGGGCAACCCAAATATTTTTNNNNNNNTTTTCCTGNACCAGGACCGCATTTAN GATCGGTTTCGCCCAATGG TTTATTGCACTCAGTCAGGACACACTTTACCATCCAAAAGTCAAAGCTGTGACAAT CAACTGTTACAGGAGTGCATGGATGTGTAACAAACCCAAATGAAATGCAATCAAAG GGGGCGGGGCAAGGCCACTGTTACATTACAGCACAGGTAAGTCAAAAAACAGGA TGTCAGGATGGGGGCGGGACCACAGGTCCTTCTGCCCTGGAGGCTGCCTCCAGGCA TAAGCCTGGAGGGGGTTAGTGCCCATGGAACCTCTGCCAGAAAGCTGCCTCCGGG CATAAGCCTGGGAGCGGGTTAGTGCCCATGGATCCGGTGTCTGAAAGGGGCCACAAA AAATGGGCCACACCAGCATAATTTCTCTTTGTGGGCGCCCTCCCATCCCCAGACCCC TTTCCCATTCAGGGAGAGGGGCCCTGGTCACAGGAGCCAGTCTCTGACCTCTGAGTG TGGAACCCAGGAGGGGAGTGTGTTTCTCTGCAGCCCTCTCAACCTGGAAGGGCAGAG CCACAGCAGAACGCGTTGGGGCCACAACACTCGCTCAGGTGAACACACTGAAAAGACAC TGCCGGGCTGAACAGAACCCCGGGGGGGGACTTTCTCTGTTTACAGGACTTTTTTGC AGGCCCCAGGAGGCTTCTGCCCCATGAGGCCAAGGAACGTTTGGGCTTTAACTTG AGGCCAAGGGGCTGGGCATTTTTTGTCTAATGAAGGGGGGAAAATTGGTCCGGGCCA ATACATCCTTTGGACCTCCCCAAGGNTCCCCGGGCCACAGGAACAGGGGCCTGACCAC CCTGTTTTGACCCCCATTAAAGATCTATCCCCCAGGGGTCGGCCTCATGAG </pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_032809
Insert Size:	2500 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032809.1 , NP_116198.1
RefSeq Size:	3597 bp
RefSeq ORF:	3597 bp
Locus ID:	84895

UniProt ID: [Q7L4E1](#)

Cytogenetics: 9q34.11

Gene Summary: Regulator of mitochondrial fusion: acts by forming homo- and heterodimers at the mitochondrial outer membrane and facilitating the formation of PLD6/MitoPLD dimers. May act by regulating phospholipid metabolism via PLD6/MitoPLD.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).