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Product datasheet for SC323735

FAM73B (MIGA2) (NM_032809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FAM73B
Synonyms:	C9orf54; FAM73B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_032809.2 GGAGCAGGCGTGCGGGCCGTGAGCGGCGCCAGAGGGTACCTGGCTCTGTGGAGGGGCCCT
CTGGTATGTGTGTCCCTGTCCTTCTGGGGCGTGGATGGTGCCTGGGACCCAGCTGGCAAC
CAGTTGAAGACGTTCTCCTTGGAAGCTCTTGGCCCTGAGGACTTTGCCTGGGGCATTGGC
CCTGCCATGGCGTTCCGGAGGGCCGAGGGCACGTCTATGATCCAGGCCCTGGCCATGACG
GTGGCCGAGATCCCCGTGTTCCTGTACACGACGTTTGGGCAGTCTGCATTCTCCCAGCTA
CGGTTGACGCCAGGCCTGCGGAAAGTCCTCTTTGCCACGGCCCTGGGGACTGTGGCCCTG
GCCCTGGCTGCCCACCAGCTGAAGAGGCGACGGAGGAGGAAGAAGCAGGTTGGTCCCGAG
ATGGGAGGGGAGCAGCTGGGCACGGTGCCCCTCCCTATCCTCTTGGCCAGGAAGGTCCCT
TCAGTGAAGAAAGGATACTCCAGCCGGAGAGTCCAGAGCCCCAGCAGCAAGAGCAACGAC
ACCCTGAGTGGCATCTCTTCCATTGAGCCCAGCAAGCACTCGGGCTCCTCCCACAGTGTG
GCCTCGATGATGGCAGTGAACTCATCCAGCCCCACAGCCGCGTGCTCGGGACTATGGGAT
GCCAGAGGGATGGAGGAGTCTCTGACCACCAGCGACGGCAATGCAGAGAGCCTGTACATG
CAAGGCATGGAGCTGTTTGAGGAAGCTCTGCAGAAGTGGGAGCAGGCACTAAGCGTGGGC
CAGCGGGGGGACAGCGGCAGCACCCCCATGCCCAGGGACGGCCTCCGGAACCCAGAGACT
GCATCAGAGCCACTGTCTGAGCCAGAGTCACAGCGGAAGGAGTTTGCAGAGAAGCTGGAG
TCCCTGCTGCACCGTGCCTACCACCTGCAGGAGGAGTTCGGCTCCACCTTCCCCGCAGAC
AGCATGCTGCTAGACCTCGAGAGGACCCTCATGCTGCCCCTGACCGAGGGCTCGCTGCGG
CTGCGGGCGGACGATGAGGACAGCCTGACTTCAGAGGATTCCTTCTTCTCCGCCACCGAG
CTCTTTGAGTCCCTGCAGACTGGAGATTACCCGATCCCACTCTCCAGACCCGCCGCTGCC
TATGAGGAGGCCCTGCAGCTGGTGAAGGAGGGGAGAGTGCCTTGCCGGACCCTCAGGACG
GAGCTGCTGGGCTGCTACAGTGACCAGGACTTTCTGGCCAAGCTGCACTGTGTGCGGCAG
GCCTTCGAGGGGCTTCTGGAAGACAAGAGTAACCAGCTTTTCTTCGGGAAAGTGGGCCGA
CAGATGGTGACAGGCCTGATGACCAAGGCTGAGAAGAGCCCCAAAGGCTTCCTGGAGAGC
TACGAGGAGATGCTGAGCTATGCCCTGCGGCCCGAGACCTGGGCCACAACACGGCTGGAG
CTGGAGGGCCGAGGGGTGGTATGCATGAGCTTCTTCGACATCGTGCTGGACTTCATCCTC
ATGGACGCCTTCGAGGACCTGGAGAACCCTCCGGCCTCGGTGCTCGCCGTCCTGCGGAAC
CGCTGGCTGTCAGACAGCTTCAAGGAGACGGCCTTGGCCACTGCTTGCTGGTCGGTCCTG
AAAGCCAAGAGGAGGCTGCTGATGGTGCCTGATGGCTTCATCTCCCATTTCTACTCCGTA

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TCGGAGCATGTGAGCCCTGTCCTAGCCTTCGGCTTCCTTGGACCCAAGCCTCAGCTTGCT
GAAGTCTGTGCTTTCTTCAAGCACCAGATTGTGCAGTACCTGAGGGACATGTTCGACCTG
GACAATGTGCGCTACACGTCACTGCCCGCGCTGGCAGACGACATCCTGCAGCTGTCCCGG
CGCCGCAGCGAGATATTGCTGGGGTACCTGGGGGTGCCCGCGGCCAGCAGCGCAGGCGTG
AATGGGGCGCTGCCCCGAGAGAATGGGCCCCTGGGGGAGCTGCAGTAGAGGCGGCACGGG
CTGGGGGGTGGCAGAGAGAAGGCTCCTCCTCCCTTCCCTGGGTTGGTATCTGACAGCTGT
GGTGGCTGAGGGCCGTTGCCCCTGACTTTGCCCCACCCCCATCATCTGGGAGTCCCCAAG
GCCCAGAGGGGACATTTCCATGGAGAAGAACGGTTCCTGGGGGAAGCAGAGGCCAGGACC
AGTGGGGCCTGTGGGAGAGAAAGGCTGTGAGAGAGGGGGTTGTTGTGGAGAATTGGGACA
GGCAGAGCCAGGATGCCCCAGGTGGGGGACCCCAAAACCTCCCATCGCTCCAGGGCTGCT
GACAAGGGTGCTGGGAGGGTGGAGGTGAAGGATGGGGCCTAGAGCCCTGTGGTGAAGGTC
ACAGTGTCCTGAGCTAGAAGCCACCTGTGGCTATATGGTCTCAGCATCCAGCTGGCCTGT
CCTGATGCCCTCCCCACCTCAACCGCCTTCTCAGAGAGTTTGCAACTCCAGAGAAGGAGA
GTGGGGCCACCTTAGTGGGCAGCAGGCCTGGGCCATCCAGAGATGGGGCAGAGGTGGGCC
TCCCACTCCTGTGCTCTCTTCTGAGCAGGAACTGGGCCCTTGACAGTGTCCTTTGACATT
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GGAGGTGGGGCTGGGCCCTCCTGCCCCCGCCCATCCCCCTTCCATGAGCCCAGACCTCCC
TGGGTGGTGCTAGGCTCTGAGCTGGGGGCTCAGACCAGGGATCGCTCAGGCCCCTGTCAC
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CCACCTTCATTAGGACAAGAAACTGCCCAGCACTTTGCCTTCAGTTCAACGCACAAACGC
TCCTGGGGCCTCATGGGGGCAGAGCCTCCCCTGGGCCTGCAGAGAGTCCTGTTAGCAGCG
ACGTCCCCCCGCCGCGGGGTCCTGTCAGCCCGGCAGTGTCTTCTCAGTGTCTTCACCTGA
GCGAGTGTCTGTGGCCCCAACGCGTTCTGCTGTGGCTCTGCCCTTTCCAGGTTGAGAGGC
CTGCAGGAGAAACACACTCCCCTCCTGGGTTTCCACACTCAGGAGGTCAGAGGACTGGCT
CCTGTGACCAGGGCCCCTCTCCCCTGAATGGGAAAGGGGTCTGGGGATGGGAGGGCGCAC
CACAGAGAGGAGATGATGCTGGGTGTGGCCCATCTTCTGTGGGCCCCTTCCCAGACACCG
GATCCATGGGCACTAACCCGCCTCCCAGGCTGATGCCCGGAGGCAGCTTCCTGGGCAGGA
GGGTTCCATGGGCACTAACCCACCTCCCAGGCTGATGCCTGGAGGCAGCCTCCAGGGCAG
GAAGGACCCTGTGCTCCCCGCCCCCCATCCTGACATCCTGTTCTTTTGCACTTACCCTGT
GCTGTGAATGTAACAGTGGGCCTTGGCCCCGCCCACTCTGATTTGCATTTTCATTTGTGT
TTGTTTACACATCCATGCACTGCCTGTAGCAGTCGATTGTCACAGCTTCGACTTTTGGAT
GGTAGAGTGTGTGCACTGACTGTGAGTCGAATAAACAATTGAGACGAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_032809

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032809.2, NP_116198.2
RefSeq Size:	3597 bp
RefSeq ORF:	1782 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).