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Product datasheet for SC101935

SHFM3 (FBXW4) (AK056917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHFM3 (FBXW4) (AK056917) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHFM3
Synonyms:	DAC; FBW4; FBWD4; SHFM3; SHSF3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for AK056917, the custom clone sequence may differ by one or more nucleotides

AGTGGTTAGGTGAGAGAAAAGGGCAGCTCTGATCTCCAGCAGGATTAAAGTTGCTCCCCTCTCTATTGAT
TTACCTTGATGCTAATTTAGGCCTGTGGCCAGTCAGAGGCCTGCCATAGGCCTTAAGAGATGCCTGGCCG
GGCGCGTTGGCTCACGCCTGTAATTCCAGCACTTTCGGAGGCCAAGGTGGGCGGATCACGAGGTCAAGAA
ATCGAGACCAGACTGGCGAGCATGGTGAAACCCTGTCTCTGCTAGATATGCAAGAATTGGCTGGGTGTGG
TGGTGCATGCCCGTGGTCCCAGCAACTCGGGAGGCTGAGGCAGGGGAACTGCTTGAACCCAGGAGGTGGA
GGTTGCAGTGAGCCAAGATTGCACCACTGCACTCCAGCCTGGTGACAGAGGGAGATTCCTCTCAAAAAAA
AAAGAGATGCCTGTGTCTGTGCTGGCGCCCTTCACCTGGTCCCCACTCCTCAAATCTGGAGAGTCCAATT
GCCTGCTCGAATGATTTCCAAGTGGCTATTATGTTTCCAGCCCAAGGTAATTGGCTTTACCAGTTATTAA
TGGATTACCCTAAATAGAAAAATGTTTGGGGAGGGAGGAGAGGGCAACACCTCCTGACTTTGTAGTTTGG
TTCTTCAGTATCCACTGGCTGCTTCCCAGGCTGGCAGTCACTTGGGGCATGGCACAGTGACTGTTTTGGC
ACTCCCACTCTATAGTTTAGTGGCTGCTGGCAGCCTTGAAGAAGCTAGGATGATGAGGCATGTCCCTGGA
GGAAGTCTTGGCTTGAGTCATGAAAGCCCCAGGATAGCTCGTATGGCCTTTTTATCAGCCTAGGGCTGAA
GAGCAGACACCTGCCCTGCAATTTTTATTGTAAATCAGTGGTTTGGCCAGTGCCTGCCCTAACATCTCCC
CCATCAGCAACTGGCAGGCCAACCTCCCCACCCCAGCCAAAGCCACTGGCTTCTCCAGGGCCCTCTCTGT
GGAAATCCATCTCCTCACTGACATGCTTGGGATCAGAGGAGCCACAGGTGCTGGGCTGGGCCACAGCAGA
TGGGCTGTTGCCCCCACATTGCTAATGTGTGATTAGTATGTCCAGTCTTCCTTCCCCCCCATGAAAGACA
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AGGTTTCCTGAAGGCTTCCCCTCTCCACCCTACCAAATCCTCTAACAAGAGTTGTCTGGCTCATAGGTTC
AAGTTCTAGGCCAGCACTACAGCCAGCCTGGCCCACTGCGTGGATCCTTTATACCAGGCTTGTGCCTCCA
TTTAAAGTGAGACTCTGCAGATTGTATATGTTGAGGTTTTTAGGGCTCTAAAGGGACACTCTGGGCAACA
GGGTCAGCCTGCTCCTTCTCGTGTGCCTCTCGGCGTTGTTTGTTATTGGCCTCAGAGGACTCTGGCGGAC
TCCCATCCCACTCTCCAGAAGCCCTGGCTGCCTGGCTTCTGGGGACTCCGCCCCACCTATGTAGTAGCAT
ATACCCATCCAAGGGATTCACTCATCTTTCATATTTTTTCCTTTTCTCATTTTGGTGCCTTTATACCTGC
CCTGTGCTTATACCACATTACCAGATTCCCCCAGCTCTTAAAACCTTCAGGAATGCCCCTCAGCTGCTCC
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CATTGTGCTCTTGGGATTCCTAAACAGGAGCCCGACAGGCTCGCTCTCTCCTGGGCTCAAACTTGTCACG
TCTAGAGATCTGTTTTTATGGTGTGCAGAGACCACTCAACCTAGTCTGTGCAGCAGGCCCAGCTGTGGCT
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ACAGCTCCTCTGATGGCTCCCTTGGCCACTTCTCTCATTCTGGCTTAACCCACAATCCCCTAGGGAATGA
GCACGGCATTTCCCATTGTTAGCCATTTCCACCACAGGTTCTGACAAGCCAGATCTGACTTTGTTCTCCT
TTTGTTTGGCAGCTCTTTTGTGACAGGGACGGCTTGTTGCGGGCACTTCTCACCCCTGAGAATCTGGGAC
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CAGCGTCCGGAAATGTGTCATGGAGTGGGAGGAGCCCCACGACAGCACCCTGTACTGCCTGCAGACAGAT
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CCTGCCTGCACGCCTTCCCGCTGACGTCGACTCCCCTCAGCAGCCCTGTGTACTGCCTGCGTCTCACCAC
CAAGCATCTCTATGCTGCCCTGTCTTACAACTTCCACGTCCTGGATTTTCAAAACCCATGACCGTCAGGG
CCACCCCTGCCTCTGGGCCAGGGAAACCAGCTACTCAGGGACTTCTCTTGCCTGGAGGGTGCAGTGATAG
CTCCTCCTCACTGCCCCACTGTGCTCCTGGGCCTGTGACCCCAGTGCTCAGGCACCTTGCACTAGAGGCT
TCTGACTCCTGGGACTTTGGAGCTTACCAGAGATGCAGTCCCTCCCAGGAACCTGTTGGAGAGGCAGGAC
CTGCTGCTTTAGAGTGCGGCTGAACCCGGGCCTTGCGTCCCTGTTTGGCCAGAGCAAGGATCTGGCCTGG
AGAGGCCCATCCTATACCCCTTATTAGAGCCATGACAGCCTACAGAGTGAGGTGAGGTGCTCCCACCTTC
CCAGATGGTTCCTTTCTGCCCCTTCCTGGAAGGAAAGGTGAGGCTGCCAATAGCCTCCTGGCACCAGCCA
GACCTCACCCTTGACCAACCTCTCGGGGCTGGGGGTTCATTCCTGGGGCACTGTGGCCTGGTTTTGCTTT
GAAACCAAGAAAGAGCAAAGGGAACCCAGCAGTTCTGAGTGAGTTCTGAGCCAGCCCTACCTCAGGCTGG
CTGTTGAGACATGCTACAATTTTCATTTTTGTAAAAATAAAGCTTGATTGTTCAC

5' Read Nucleotide Sequence:

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>OriGene 5' read for AK056917 unedited
GTAACGTCAGAATTGTAAACGACTCCTAAAGGCGGCCGCGAATTCGGCACGAGGGCTGGG
GTGCTGGATGTCATGTATGAGTCCCCTTTCACACTGCTGTCCTGTGGCTATGACACCTAT
GTTCGCTACTGGGACCTCCGCACCAGCGTCCGGAAATGTGTCATGGAGTGGGAGGAGCCC
CACGACAGCACCCTGTACTGCCTGCAGACAGATGGCAACCACCTGCTGGCCACAGGTTCC
TCCTACTACGGTGTTGTACGGCTGTGGGACCGGCGTCAAAGGGCCTGCCTGCACGCCTTC
CCGCTGACGTCGACTCCCCTCAGCAGCCCTGTGTACTGCCTGCGTCTCACCACCAAGCAT
CTCTATGCTGCCCTGTCTTACAACCTCCACGTCCTGGATTTTCAAAACCCATGACCGTCA
GGGCCACCCCTGCCTCTGGGCCAGGGAAACCAGCTACTCAGGGACTTCTCTTGCCTGGAG
GGTGCAGTGATAGCTCCTCCTCACTGCCCCACTGTGCTCCTGGGCCTGTGACCCCAGTGC
TCAGGCACCTTGCACTAGAGGCTTCTGACTCCTGGGACTTTGGAGCTTACCAGAGATGCA
GTCCCTCCCAGGAACCTGTTGGAGAGGCAGGACCTGCTGCTTTAGAGTGCGGCTGAACCC
GGGCCTTGCGTCCCTGTTTGGCCAGAGCAAGGATCTGGCCTGGAGAGGCCCATCCTATAC
CCCTTATTAGAGCCATGACAGCCTACAGAGTGAGGTGAGGTGCTCCCACCTTCCCAGATG
GTTCCTTTCTGCCCCTTCCTGGAAGAAAAGTGAGGCTGCCAATAGCCTCCTGGCACCAGC
CAGACCTCACCCTTGACCAACCTCTCGGGGCTGGGGGGTTCATTCCTGGGGCACTA
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Restriction Sites: NotI-NotI

ACCN: AK056917

Insert Size: 1200 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: AK056917.1

RefSeq Size: 3205 bp

RefSeq ORF: 3205 bp

Locus ID: 6468

Cytogenetics: 10q24.32

Protein Families: Druggable Genome

Gene Summary: This gene is a member of the F-box/WD-40 gene family, which recruit specific target proteins through their WD-40 protein-protein binding domains for ubiquitin mediated degradation. In mouse, a highly similar protein is thought to be responsible for maintaining the apical ectodermal ridge of developing limb buds; disruption of the mouse gene results in the absence of central digits, underdeveloped or absent metacarpal/metatarsal bones and syndactyly. This phenotype is remarkably similar to split hand-split foot malformation in humans, a clinically heterogeneous condition with a variety of modes of transmission. An autosomal recessive form has been mapped to the chromosomal region where this gene is located, and complex rearrangements involving duplications of this gene and others have been associated with the condition. A pseudogene of this locus has been mapped to one of the introns of the BCR gene on chromosome 22. [provided by RefSeq, Jul 2008]