**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC209238

## SHFM3 (FBXW4) (NM_022039) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | SHFM3 (FBXW4) (NM_022039) Human 3' UTR Clone |
| **Symbol:** | SHFM3 |
| **Synonyms:** | DAC; FBW4; FBWD4; SHFM3; SHSF3 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_022039 |
| **Insert Size:** | 655 bp |
| **Insert Sequence:** | >SC209238 3'UTR clone of NM_022039<br>The sequence shown below is from the reference sequence of NM_022039. The complete sequence of this clone may contain minor differences, such as SNPs.<br>Blue=Stop Codon Red=Cloning site<br><br>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG<br>TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br>CTCCACGTCCTGGATTTTCAAAACCCATGACCGTCAGGGCCACCCCTGCCTCTGGGCCAGGGAAACCAG<br>CTACTCAGGGACTTCTCTTGCCTGGAGGGTGCAGTGATAGCTCCTCCTCACTGCCCCACTGTGCTCCTG<br>GGCCTGTGACCCCAGTGCTCAGGCACCTTGCACTAGAGGCTTCTGACTCCTGGGACTTTGGAGCTTACC<br>AGAGATGCAGTCCCTCCCAGGAACCTGTTGGAGAGGCAGGACCTGCTGCTTTAGAGTGCGGCTGAACCC<br>GGGCCTTGCGTCCCTGTTTGGCCAGAGCAAGGATCTGGCCTGGAGAGGCCCATCCTATACCCCTTATTA<br>GAGCCATGACAGCCTACAGAGTGAGGTGAGGTGCTCCCACCTTCCCAGATGGTTCCTTTCTGCCCCTTC<br>CTGGAAGGAAAGGTGAGGCTGCCAATAGCCTCCTGGCACCAGCCAGACCTCACCCTTGACCAACCTCTC<br>GGGGCTGGGGGTTCATTCCTGGGGCACTGTGGCCTGGTTTTGCTTTGAAACCAAGAAAGAGCAAAGGGA<br>ACCCAGCAGTTCTGAGTGAGTTCTGAGCCAGCCCTACCTCAGGCTGGCTGTTGAGACATGCTACAATTT<br>TCATTTTTGTAAAAATAAAGCTTGATTGTTCACA<br>ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br>CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG |
| **Restriction Sites:** | SgfI-MluI |
| **OTI Disclaimer:** | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs). |

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**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** NM_022039.4

**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]

**Locus ID:** 6468

**MW:** 23.6