

Product datasheet for SC111062

SEM1 (NM_006304) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEM1 (NM_006304) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEM1
Synonyms:	C7orf76; DSS1; ECD; PSMD15; SHFD1; Shfdg1; SHFM1; SHSF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111062 sequence for NM_006304 edited (data generated by NextGen Sequencing)

```
ATGTCAGAGAAAAAGCAGCCGGTAGACTTAGGTCTGTTAGAGGAAGACGACGAGTTTGAA
GAGTTCCCTGCCGAAGACTGGGCTGGCTTAGATGAAGATGAAGATGCACATGTCTGGGAG
GATAATTGGGATGATGACAATGTAGAGGATGACTTCTCTAATCAGTTACGAGCTGAACTA
GAGAAACATGGTTATAAGATGGAGACTTCATAG
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Clone variation with respect to NM_006304.1

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006304 unedited
TGGGGTTTCGNATTTTGTAAACGACTCACTATAGGGCGGCNCGGATTTCGGCACGAGGG
AGGGTTCCAACTTTTCTGCTTATCTGGGAGGTGTTGGGCGCGGACAGTCGAGATGTCAGA
GAAAAAGCAGCCGGTAGACTTAGGTCTGTTAGAGGAAGACGACGAGTTTGAAGAGTTCCC
TGCCGAAGACTGGGCTGGCTTAGATGAAGATGAAGATGCACATGTCTGGGAGGATAATTG
GGATGATGACAATGTAGAGGATGACTTCTCTAATCAGTTACGAGCTGAACTAGAGAAACA
TGGTTATAAGATGGAGACTTCATAGCATCCAGAAGAAGTGTGAAGTAACCTAACTTGA
CCTGCTTAATACATTCTAGGGCAGAGAACCCAGGATGGGACACTAAAAAATGTGTTTAT
TTCATTATCTGCTTGGATTTATTTGTGTTTTGTAAACAAAAAATAAATGTTTTGATAT
AATCTTGGTTTGGTTTCAGACCACACACACACCCACCCACCCACCCACCCACCCACCC
AAAAAACTCGACTCTAGATTGCGGCCGCGGCCATAGCTGTTTCTGAACAGATCCCGGG
TGGCATCCCTGTGACCCCTCCCAAGTGCCTTTCCTGGCCCTGGAAGTTGCCACTCCAGTG
CCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGGGTCTTC
TATATATTATGGGGTGGGGGGGGCGTTGGAGCCAGGGGCCATTTGGGAAAACACCCGC
ACGGCCCTCGGGGCTTATTGGACCCAACCGGAACCGCCGCCCATCCTGGCTCCTGCAT
TCCCCCCCCCGGGTCCAAGCCATTTCCCTGCCCCACCT
```



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Gene Summary:

The product of this gene has been localized within the split hand/split foot malformation locus SHFM1 at chromosome 7. It has been proposed to be a candidate gene for the autosomal dominant form of the heterogeneous limb developmental disorder split hand/split foot malformation type 1. In addition, it has been shown to directly interact with BRCA2. It also may play a role in the completion of the cell cycle. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (5) differs in the 3' exon structure and the entire coding region, compared to variant 1. It encodes isoform 3, which has a completely different sequence, compared to isoform 1.