

## Product datasheet for **SC337945**

### FILIP1 (NM\_001289987) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FILIP1 (NM_001289987) Human Untagged Clone
Tag:	Tag Free
Symbol:	FILIP1
Synonyms:	FILIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289987, the custom clone sequence may differ by one or more nucleotides

```
ATGGTGGGAATGAGATCTCGAAACCAAGGTGGTAAAAGTGCATCTGATGGGCATATCTCCTGTCCCAAGC
CCTCCATCATCGGCAATGCTGGTAAAAAGTCTCTCAGAAGATGCAAAAAAGAAGAAGAAATCAATAG
GAAGGAGGATGATGTCATGGCCTCAGGAACTGTCAAACGACACCTAAAAACATCTGGAGAATGTGAACGA
AAAATAAGAAATCCCTGGAGTTATCCAAAGAAGACCTCATCCAATACTCAGTATAATGGAAGGGGAGT
TGCAGGCCAGAGAAGATGTGATCCACATGCTGAAGACAGAGAAAACCAAGCCTGAGGTTCTGGAGGCTCA
TTACGGGTCTGCGGAGCCAGAGAAAGTGTGCGGGTCTGCACCGAGATGCCATTCTGCCAGGAGAAA
TCCATAGGAGAAGATGTCTATGAGAAACCGATTTCAAGCTGGACAGACTTGAGGAAAAACAGAAAGAAA
CCTACCGGCATGCTAGAGCAGCTGTTGCTGGCCGAGAAGTGTCATAGGCGCACCGTATACGAGTTAGA
GAACGAGAAGCATAAACCACTGACTACATGAACAAGAGCGACGACTTCACCAACCTGCTGGAGCAGGAG
CGGGAGAGGTTAAAAAGCTCCTTGAACAAGAAAAGGCTTATCAAGCCCGCAAAGAAAAGGAAAAATGCTA
AACGACTCAATAAACTAAGAGATGAGCTTGTTAACTCAAATCCTTGCCTCATGCTGGTGGATGAAAAG
ACAAATGCACATTGAACAACCTGGCCTGCAAAGCCAGAAAAGTACAGGATCTTACTCAGAAGCTGAGGAA
GAAGAAGAGAAGCTCAAAGCCATTACTTCCAAATCCAAAGAAGACAGACAGAAATTGCTCAAGTTAGAAG
TGGACTTTGAACACAAGGCTTCGAGGTTTTCTCAAGAGCATGAAGAGATGAACGCTAACTGGCTAATCA
AGAGTCTACAATAGGCACTTAGACTCAAGCTGGTTGGCTTAACCCAAAGAATCGAGGAGCTAGAAGAG
ACCAACAAAAATCTGCAGAAGGCAGAGGAAGAAGTCAAGAATTAAGAGATAAAAATTGCCAAGGAGAAT
GTGGAACCTCTAGCCTCATGGCAGAAGTGAAAAATCTTCGAAAGCGTGTGCTTGAATGGAAGGTAAGA
TGAGGAGATCACTAAAAGTGAATCCAGTGTAGGGAATTGAGGAAGAAGCTGCAAGAGGAAGAACCACAT
AGTAAGGAGCTCAGACTTGAAGTTGAGAAGCTACAGAAGAGAAATGCTGAACTAGAGAAATGGAAGAAG
CATTTAGCAAGAGTAAATCTGAGTGCACCCAGCTACATTTAAATCTGGAGAAAGAAAAGAACTTAACCAA
AGACCTGCTAAATGAATTGGAGGTGGTCAAGAGTCGAGTTAAAGAATTGGAATGTTCTGAAAGTAGATTG
GAAAAGGCTGAATTAAGCCTAAAAGATGATCTTACCAAGTTGAAGTCATTTACCGTGATGCTGGTTGATG
AAAGGAAAAATATGATGGAAAAATAAAACAAGAAGAGAGAAAAGTGGATGGACTCAATAAAAATTTTAA
```



[View online »](#)

```

GGTGAACAAGGAAAAGTTATGGATGTAAGTAAAACTAATTGAAGAAAGTAAGAACTTTAAAACTA
AAATCTGAAATGGAGGAAAAAGTATACAAGTGGACAAAGAGAGATGAGTTGATAGGCAAATGAAAA
GTGAAGAAGAAAAATCCTCTGAATTAAGCTGCAGTGTGACTTACTAAAGAAGAGACTTGATGGTATAGA
GGAAGTGGAAAGAGAAAATAACAAGAGGAAGGTACGAAAAAGGTCTGAGCTCACCTGCCCGAAGATAAT
AAGATTAAGGAACTAACACTTGAATTTGAGAGACTGAAGAAACGTCTCCAACAATTGGAAGTGGTGAAG
GGGATTTGATGAAGACAGAAGATGAGTATGATCAGCTGGAACAGAAAATTTAGAAGTGGCAGGATAAGGC
TAACTTCTCTCTCAACAAGTACAGGAGATCAAGCACCAAAATGGCAAGAATAAAGCAATAGAGAAGGGT
GAGGTTGTGAGCCAGGAAGCTGAACTGAGACACAGATTTTCGGTTGGAAGAAGCTAAAAGTCGAGACTTAA
AAGCCGAAGTACAAGCTCTTAAAGAGAAGATTCACGAATTAATGAACAAAAGAAGTACAGCTTTCTCAGCT
CCAGGTAGATTATTCTGTACTTCAACAAAGATTTATGGAAGAAGAAAATAAGAACAAAACATGGGGCAG
GAGGTTCTCAATCTGACCAAGAGTTGGAGCTTTCAGCGCTACAGCAGAGCTCTTAGGCCAGTGTGA
ATGGAAGAAGAATGGTGGATGTTCTGTGACGTCAACTGGAGTCCAACTGATGCAGTCAGCGGTGAAGC
AGCAGAGGAAGAAACGCCAGCTGTATTCATACGGAAATCCTTCCAGGAAGAAAATCATATTATGAGTAAT
CTTCGGCAGGTGGGATTGAAGAAACCCGTGAAAGATCTTCTGTCTAGACAGGTATCCTCCAGCAGCAA
ATGAGCTCACTATGAGAAAGTCTTGGATTCATGGATGAGAAAGAGGGAAAACGGCCCTCCATCACTCA
GGAGAAAGGGCCCGAACAAATTCAGTCCAGGGCACCCAGGAGAGGTAGTCCTTTCACCAAAGCAGGGC
CAGCCCTGCATATTCGAGTGACACCAGACCAGGAAACAGCACTGCGACTTTGGAGATAACAAGCCCGA
CATCTGAAGAATTTTTTCTAGTACCACTGTCACTTCTACCTTAGGGAATCAGAAACCAAGAATAACCAT
TATTCCATCACCAAACGTTATGCCTCAAAAACAAAAAGTGGAGATACTACTCTTGGCCAGAACGAGCC
ATGTCCCAGTCAACAATTAACATTTCCAGAGAGAAGACTCCAGAAAGTGAAGAGGGCGCATTTCGAG
ACAGGCCACATCCCCTATTCAGATAATGACGGTGTCTACATCAGCAGCACCAGCTGAGATTGCAGTTTC
TCCCGAATCCCAGGAAATGCCATGGGACGGACAATCCTCAAAGTCAACCCAGAAAAACAGACTGTTCCA
ACTCCAGTACGGAATACAACCTCAATGCCAATATCATAACCACAGAGGACAATAAAATTCACATTCAT
TAGGGTCTCAGTTTAAACGGTCCCTGGGACTTCAGGTGAAGGAGTCAGTCCAGTTATTACTGTCCGACC
AGTAAACGTGACAGCCGAAAAGGAGTTTCCACCGGCACTGTCTTTCGCTCTCCAGGAATCACCTCTCC
TCACGGCCTGGTGAAGCAAAGTACGAGCACTATCACCATAACACCGGTCAACAGTCACTGTCTCGAG
GAACCCAGTCACTGTCAGGACAAGACGGGTATCCAGCGGCTACACCCACCGCATTCTATGTCAA
AGGTATGAAAGCAGGAAAGCCAGTGTGGCAGCCAGGAGCAGGAAATCTGACCAAATTCGAGCCTCGA
GCTGAGACTCAGTCTATGAAAATAGAGCTGAAGAAATCTGCAGCCAGCAGCACCACTCTCTCGGAGGG
GGAAGGGCTGA
    
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001289987
- 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: [NM\\_001289987.1](#), [NP\\_001276916.1](#)

RefSeq Size: 4856 bp

RefSeq ORF: 3651 bp

Locus ID: 27145

UniProt ID: [Q7Z7B0](#)

Cytogenetics: 6q14.1

**Gene Summary:** This gene encodes a filamin A binding protein. The encoded protein promotes the degradation of filamin A and may regulate cortical neuron migration and dendritic spine morphology. Mice lacking a functional copy of this gene exhibit reduced dendritic spine length and altered excitatory signaling. [provided by RefSeq, Oct 2016]  
Transcript Variant: This variant (1) encodes the longest isoform (1).