

## Product datasheet for **RG240051**

### FILIP1 (NM\_001289987) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FILIP1 (NM_001289987) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FILIP1
Synonyms:	FILIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240051 representing NM_001289987. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGGAATGAGATCTCGAAACCAAGGTGGTAAAAGTGCATCTGATGGGCATATCTCCTGTCCCAAG
CCCTCCATCATCGGCAATGCTGGTAAAAAAGTCTCTCAGAAGATGCAAAAAAGAAGAAGAAATCAAAT
AGGAAGGAGGATGATGTCATGGCCTCAGGAAGTCAAACGACACCTAAAAACATCTGGAGAATGTGAA
CGAAAACTAAGAAATCCCTGGAGTTATCCAAAGAAGACCTCATCCAACACTCAGTATAATGGAAGGG
GAGTTGCAGGCCAGAGAAGATGTGATCCACATGCTGAAGACAGAGAAAACCAAGCCTGAGGTTCTGGAG
GCTCATTACGGGTCTGCGGAGCCAGAGAAAGTGTGCGGGTCTGCACCGAGATGCCATTCTTGCCAG
GAGAAATCCATAGGAGAAGATGTCTATGAGAAACCGATTTAGAGCTGGACAGACTTGAGGAAAAACAG
AAAGAAACCTACCGGCGCATGCTAGAGCAGCTGTTGCTGGCCGAGAAAGTGTGATAGGCGCACCGTATAC
GAGTTAGAGAACGAGAAGCATAAACACACTGACTACATGAACAAGAGCGCAGACTTCACCAACCTGCTG
GAGCAGGAGCGGGAGAGGTTAAAAAAGCTCCTTGAACAAGAAAAGGCTTATCAAGCCCGCAAGAAAAAG
GAAATGCTAAACGACTCAATAAACTAAGAGATGAGCTTGTTAACTCAAATCCTTTGCACTCATGCTG
GTGGATGAAAGACAAATGCACATTGAACAACCTGGCCTGCAAAGCCAGAAAGTACAGGATCTTACTCAG
AAGCTGAGGGAAGAAGAAGAGAAGCTCAAAGCCATTACTTCCAATCCAAGAAGACAGACAGAAATTG
CTCAAGTTAGAAGTGGACTTTGAACACAAGGCTTCGAGGTTTTCTCAAGAGCATGAAGAGATGAACGCT
AAACTGGCTAATCAAGAGTCTCACAATAGGCAACTTAGACTCAAGCTGGTTGGCTTAACCCAAAGAATC
GAGGAGCTAGAAGAGACCAACAAAAATCTGCAGAAGGCAGAGGAAGAAGTCAAGAATTAAGAGATAAAA
ATTGCCAAAGGAGAATGTGGAACTCTAGCCTCATGGCAGAAGTGGAAAACTTCGAAAGCGTGTGCTT
GAAATGGAAGGTAAGATGAGGAGATCACTAAAACCTGAATCCAGTGTAGGGAATTGAGGAAGAAGCTG
CAAGAGGAAGAACACCATAGTAAGGAGCTCAGACTTGAAGTTGAGAAGCTACAGAAGAGAATGTCTGAA
CTAGAGAAATTGGAAGAAGCATTAGCAAGAGTAAATCTGAGTGCACCCAGCTACATTTAAATCTGGAG
AAAGAAAAGAACTTAACCAAAGACCTGCTAAATGAATTGGAGGTGGTCAAGAGTCGAGTTAAGAATTG
GAATGTTCTGAAAGTAGATTGAAAAGGCTGAATTAAGCCTAAAAGATGATCTTACCAAGTTGAAGTCA
```



[View online »](#)

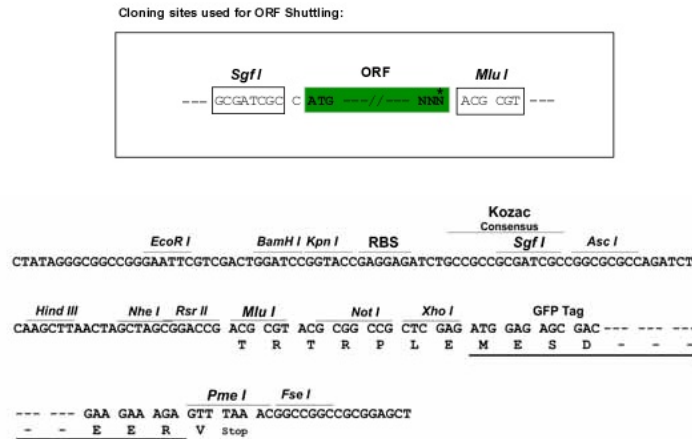
TTTACCGTGATGCTGGTTGATGAAAGGAAAAATATGATGGAAAAAATAAAACAAGAAGAGAGAAAAGTG  
GATGGACTCAATAAAAAATTTAAGGTGGAACAAGGAAAAGTTATGGATGTAAGTAAAAACTAATTGAA  
GAAAGTAAAGAACTTTTAAAACTAAAACTGAAATGGAGGAAAAAGTATACAAGTGGACAAGAGAAAAGA  
GATGAGTTGATAGGCAAATTTGAAAAGTGAAGAAGAAAAATCCTCTGAATTAAGCTGCAGTGTGACTTA  
CTAAGAAGAGACTTGATGGTATAGAGGAAGTGGAAAGAGAAATAACAAGAGGAAGGTACGAAAAGGG  
TCTGAGCTCACCTGCCCCGAAGATAATAAGATTAAGGAACTAACACTTGAATTTGAGAGACTGAAGAAA  
CGTCTCCAACAATTGGAAGTGGTGAAGGGGATTTGATGAAGACAGAAGATGAGTATGATCAGCTGGAA  
CAGAAATTTAGAAGTGAAGCAGGATAAGGCTAAGTCTCTCAACAAGTGAAGGAGATCAAGCACCAA  
ATTGCCAAGAATAAAGCAATAGAGAAGGGTGAGGTTGTGAGCCAGGAAGCTGAACTGAGACACAGATTT  
CGGTTGGAAGAAGCTAAAAGTCGAGACTTAAAAGCCGAAGTACAAGCTCTTAAAGAGAAGATTCACGAA  
TTAATGAACAAAAGAGATCAGCTTTCTCAGCTCCAGGTAGATTATTCTGTACTTCAACAAAGATTTATG  
GAAGAAGAAAATAAGAACAACAAACATGGGGCAGGAGGTTCTCAATCTGACCAAAGAGTTGGAGCTTTCC  
AAGCGCTACAGCAGAGCTCTTAGGCCAGTGTGAATGGAAGAAGAATGGTGGATGTTCTGTGACGTCA  
ACTGGAGTCCAACTGATGCAGTCAGCGGTGAAGCAGCAGAGGAAGAAACGCCAGCTGTATTCATACGG  
AAATCCTTCCAGGAAGAAAATCATATTAGAGTAATCTTCGGCAGGTGGGATTGAAGAAACCCGTGGAA  
AGATCTTCTGTTCTAGACAGGTATCCTCCAGCAGCAAATGAGCTACTATGAGAAAGTCTTGATTCCA  
TGATGAGAAAGAGGGAAAACGGCCCTCCATCACTCAGGAGAAAAGGGCCCCGAACAAATCCAGTCCA  
GGGCACCCAGGAGAGGTAGTCTTTACCAAAGCAGGGCCAGCCCTGCATATTCGAGTGACACCAGAC  
CACGAGAACAGCACTGCGACTTTGGAGATAACAAGCCGACATCTGAAGAATTTTTTTCTAGTACCACT  
GTCATTCTACCTTAGGGAATCAGAAACCAAGAATAACCATTAATCCATCACAAACGTTATGCCTCAA  
AAACAAAAAGTGGAGATACTACTCTTGCCCGAAGCAGCCATGTCCCCAGTCAACAATTAACATTT  
TCCAGAGAGAAGACTCCAGAAAGTGAAGAGGGCGATTTGCAGACAGGCCACATCCCCTATTCAGATA  
ATGACGGTGTCTACATCAGCAGCACCAGCTGAGATTGCAGTTTCTCCGAATCCAGGAAATGCCATG  
GGACGGACAATCCTCAAAGTCACCCAGAAAAACAGACTGTTCCAAGTCCAGTACGGAATACAAGTCC  
AATGCCAATATCATAACCACAGAGGACAATAAAATTCACATTCAGTTAGGGTCTCAGTTTAAACGGTCC  
CCTGGGACTTCAGGTGAAGGAGTCAGTCCAGTTATTACTGTCCGACCAGTAAACGTGACAGCCGAAAAG  
GAGGTTTCCACCGGCACTGTCCTTCGCTCTCCAGGAATCACCTCTCTCACGGCCTGGTGAAGCAAAA  
GTGACGAGCACTATCACCATAACACCGGTACAACGTCTCTGCTCGAGGAACCCAGTCAAGTGTGAGGA  
CAAGACGGGTATCCCAGCGGCTACACCCACCCGATTCCTATGTCAAAGGTATGAAAGCAGGAAAG  
CCAGTAGTGGCAGCCCCAGGAGCAGGAAATCTGACCAAATTCGAGCCTCGAGCTGAGACTCAGTCTATG  
AAAATAGAGCTGAAGAAATCTGCAGCCAGCAGCACCTCTCTCGGAGGGGGAAAGGGC  
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG240051  
 Blue=ORF Red=Cloning site Green=Tag(s)

MVGMRSRNQGGESASDGHISCPKPSIIGNAGEKSLSEDAKKKKKSNRKEDDVMSGTVKRHLKTSGECE  
 RKTKKSLLEL SKEDLIQLLSIMEGELQAREDVIHMLKTEKTKPEVLEAHYGSAEPEKVLRLVLRDAILAQ  
 EKSIGEDVYEKPISELDRLEEKQKETYRRMLEQLLLAEKCHRRTVYELENEKHKHTDYMNKSDDFTNLL  
 EQERERLKKLLEQEKAYQARKEKENAKRLNKL RDELVKLKS FALMLVDERQMHIQLGLQSQKVDLTQ  
 KLREEEKLLKAITSKSKEDRQKLLKLEVD FEHKASRFSQEHEEMNAKLANQE SHNRQLRLKLVGLTORI  
 EELEETNKNLQKAEELQELRDKIAKGC GCGNSSLMAEVENLRKRVL EMEGKDEEITKTESQCRELRKKL  
 QEEHHSKELRLEVEKLQKRMSELEKLEEF SKSKSECTQLHLNLEKEKNLTKDLLNELEVVKSRVKEL  
 ECSESRLKAEKSLKDDLTKLKSFTVMLVDERKNMMEKIKQEERKVDGLNKNFKVEQGVMDVTEKLEIE  
 ESKLLKLLKSEMEEKVYNLTREDELIGLKS EEEKSSELSCSVDLLKKRLDGIEEVEREITRGRSRKG  
 SELTCPEDNKIKELTLEIERLKKRLQQL EVVGDLMKTEDEYDQLEQKFRTEQDKANFLSQLEEIKHQ  
 IAKNKAIEKGEVVSQEAELRHRFRLEEAKSRDLKAEVQALKEKIHLMNKEDQLSQLQVDYSVLQQRFM  
 EENKKNMGMQEVNLTKLEELSKRYSRALRPSVNGRRMVDVPTSTGVQTDVSGEAAEEETPAVFI R  
 KSFQEEHNHIMS NLRQVGLKPKVERS SVLD RYPPAANELTMRKSWIPWMRKRENGPSITQEKGPRTNSSP  
 GHPGEVVLSPKQGOPLHIRVTPDHNSTATLEIT SPTSEFFSSTTVIPTLGNQKPRITIIIPSPNVMPQ  
 KQKSGDITLGPERSMPVITITFSREKTPESGRGAFADRPTSPIQIMTVSTSAAPAEIAVSPESQEMPM  
 GRTILKVTPEKQTVPTPVRYNSNANIITTEDNKIHIHLG SQFKRSPGTS GEGVSPVITVRPVNVTAEK  
 EVSTGTVLRSPRNHLSSRPGASKVTSTITITPVTSSARGTQSVSGDGSQRPTPRIPMSKGMKAGK  
 PVVAAPGAGNLTKFEPRAETQSMKIELKKSAA SSTS LGGGKG  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVI GDFKVMGTGFPE D  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

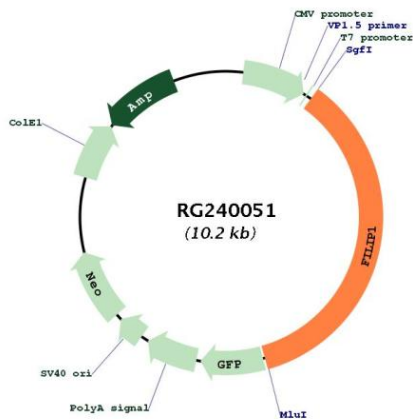


**ACCN:** NM\_001289987

**ORF Size:** 3648 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001289987.3</a>
<b>RefSeq Size:</b>	4856 bp
<b>RefSeq ORF:</b>	3651 bp
<b>Locus ID:</b>	27145
<b>UniProt ID:</b>	<a href="#">Q7Z7B0</a>
<b>Cytogenetics:</b>	6q14.1
<b>MW:</b>	138.8 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RG240051