

## Product datasheet for **MG227403**

### Flna (NM\_010227) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Flna (NM_010227) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Flna
Synonyms:	ABP-280; Dilp2; F730004A14Rik; filamin-1; Fln1; GENA 379
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227403 representing NM_010227 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAGCTCTCACTCCCCTGTGGCCAGAGTGCGGCGTTGCGTCTCCGGGAGGCAGTATCGATTAC  
GGGACGCGGAGATGCCGGCTACCGAAAAGACCTAGCAGAAGATGCACCGTGAAGAAAATTCAGCAGAA  
CACATTCACCCGCTGGTCAATGAGCACCTAAGTGCCTAAGCAAGCGCATCGCCAATCTGCAGACGGAC  
CTGAGCGATGGGTTGCGGCTCATCGCGTCTCGAGTACTCAGCAGAAAGAAAATGCACCGCAAGCACA  
ACCAAAGACCCACTTCCGCCAGATGCAGCTCGAAAATGTGTCGGTGGCGCTTGAATTCCTGGACCGTGA  
GAGCATCAAGCTCGTGTCCATAGACAGCAAGGCTATTGTGGATGGAAATCTGAAGCTGATCTTAGGCCTC  
ATCTGGACCTGATCCTGCACTATTCATCTCAATGCCCATGTGGGATGAGGAAGAGGATGAGGAGGCCA  
AGAAGCAAACACCAAGCAGAGGCTTCTAGGCTGGATTGAGAACAAGCTACCACAGCTTCCCATTACCAA  
CTTCAGTCGAGACTGGCAGAGTGGCCGGCCCTGGGTGCTTGTGTGATAGCTGTGCCCCAGGCCTATGT  
CCTGACTGGGACTCCTGGGATGCTAGTAAGCCTGTGAACAATGCACGGGAAGCCATGCAGCAGGCTGATG  
ACTGGCTAGGCATTCTCAGGTGATTACCCAGAAGAAATGTGGACCCCAATGTAGATGAGCATTCTGT  
TATGACCTACCTGTCTCAGTTTCCCAAGCCAAGCTGAAGCCAGGGGCTCCTCTTCGGCCCAAAGTGAAC  
CCGAAGAAAGCCCGAGCCTATGGGCCAGGCATCGAGCCTACAGGCAATATGGTGAAGAAGAGAGCAGAAT  
TCACTGTGGAGACCCGAAGTGTGGACAGGAGAAGTGTGTATATGTGGAGGACCCAGCTGGACACCA  
GGAAGAGGCAAAAAGTGAAGTGAAGTGAACAATAATGACAAGAACCCTACTTTCTCTGTCTGGTATGTCCCTGAAGT  
ACAGGGACTCATAAGGTGACTGTGCTTTTGTGGCCAACATATTGCCAAGAGCCCTTTGAGGTGTATG  
TGGACAAGTCACAGGGTGTGCCAGCAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT  
TGCCAACAAGACTACCTACTTTGAGATCTTCACTGCAGGAGCTGGCATGGGTGAGGTGGAAGTTGTCATC  
CAGGACCTACAGGACAGAAAGGCACAGTGAACCTCAGCTGGAGGCCAGGGGTGACAGCACCTATCGCT  
GTAGCTATCAGCCACCATGGAGGGTGTCCATACAGTACATGTCACCTTCGCCGGTGTCCCATCCCTCG  
TAGCCCTACACTGCTACTGTTGCCAAGCCTGAACCCAGCTGCCTGCCGGCTATTGGTAGAGGCCT



[View online »](#)

CAGCCCAAGGGTGTTCGAGTGAAGGAAACAGCCGACTTCAAGGTGTACACAAAGGGCGCTGGCAGTGGG  
AGCTAAAGGCTACTGTAAAGGGTCCAAGGGTGAGGAGCGTGTAAAGCAGAAGGACTTAGGGGATGGTGT  
GTATGGCTTTGAATATTACCCTACAATCCCTGGCACATACACTGTACCATCACATGGGGTGGCCAGAAC  
ATTGGTCGAAGTCCGTTTGAGGTGAAGGTAGGCACTGAGTGTGGCAATCAGAAAGTTCGGGCATGGGGTC  
CTGGCCTGGAAGGAGGCATTGTTGGCAAGTCAGCAGACTTCGTAGTAGAGGCCATTGGTGATGATGTGG  
CACCTTGGGTTTCTCTGTGGAAGGTCCATCACAGGCAAAGATTGAATGTGACGACAAGGGTGTAGGCTCC  
TGTGATGCGCTATTGGCCCCAGGAGGTGGCGAGTATGCTGTTCAATGTGCTGTGTAACAGTGAGGATA  
TCCGTCTCAGTCCCTTTCATGGCTGACATCCGTGAGGCACCCAGGATTTTCACCCAGACAGGGTGAAGGC  
ACGTGGGCTGGATTGGAGAAGACTGGTGTGGCTGTCAACAAGCCAGCAGAGTTCACAGTTGATGCCAAG  
CATGCTGGGAAGGCTCCTCTTCGAGTTCAGTTTCAAGGACAATGAGGGCTGCTCTGTGGAAGCGACAGTCA  
AGGACAATGGCAATGGTACTTACAGCTGTTCTTATGTGCCAGAAAGCCAGTGAAGCACACAGCCATGGT  
TTCTTGGGAGGTGTGAGCATCCCCAACAGTCTTTCCGGGTGAATGTGGGAGCTGGCAGCCATCCAAAC  
AAAGTCAAGGTGTATGGTCCAGGAGTGGCAAGACTGGGCTCAAGGCCATGAACCTACCTACTTTACTG  
TGGATTGACTGAAGCTGGCCAGGAGATGTCAGCATTGGTATCAAGTGTCCCCGGAGTGTGGGCC  
CACTGAGGCTGATATTGACTTTGATATCATCCGCAATGACAATGACACCTTCACTGTAAAATACACACC  
TGTGGGGCTGGCAGCTATACCATCATGGTCTTTTTGCTGACCAGGCCACACCCACCAGCCCATCAGAG  
TCAAAGTGGAGCCTTCTCATGATGCCAGCAAGGTGAAGGCTGAGGGTCTGGCCTAAATCGCACTGGTGT  
TGAACCTGGCAAACCCACCCATTTACAGTCAATGCTAAAAGTGTGGGAAAGGCAAGCTGGATGTCCAA  
TTCTCAGGACTGGCTAAGGGAGATGCAGTACGGGATGTGGACATCATTGACCACCATGATAATACCTACA  
CAGTCAAGTACATTCCTGTGCAGCAGGGCCAGTAGGTGTCAATGTCACCTATGGAGGAGATCACATCCC  
CAAGAGTCCATTTTCAAGTGGGAGTATCTCAAGCCTGGATCTCAGCAAAATCAAGGTGTCTGGCCTGGT  
GACAAAGTGGACGTTGGCAAAGATCAAGAGTTCACAGTAAAGTCAAAGGGTGCAGGTGGTCAAGGCAAAG  
TAGCATCAAGATTGTGAGTCCCTCAGGTGCAGCGGTACCTGCAAGGTAGAGCCAGGCTGGGAGTGA  
CAACAGCGTGGTACGTTTTGTGCCCGTGAAGAGGGGCCCTATGAGGTGGAAGTACCTATGATGGTGTG  
CCTGTACCTGGCAGTCCCTTTCCACTAGAAGCTGTGGCCCCACCAAACCCAGCAAGGTGAAGGCGTTTG  
GACCAGGGCTACAGGGGGCAATGCAGGCTCCCCTGCCGCTTACCATTGATACAAAGGGTGTGGCAC  
TGGTGGCTGGGCTGACAGTGAAGGCCCTGTGAAGCAGACTTGAAGTGCCTAGACAACGGGGATGGT  
ACATGCTCTGTGCTTATGTACCCACTGAGCCTGGGGACTACAACATCAACATCCTTTTTGCTGACACCC  
ACATTCCTGGATCCCATTTCAAGGCCATGTGGCTCCTTGTGTTTGTATGCATCAAGGTGAAGTGTCTCAGG  
CCCTGGGCTGGAGCGGGTACTGCTGGTGAAGTAGGGCAGTTCAGTGGACTGTTCAAGTGTGGCAGT  
GCTGAGTTGACGATTGAGATCTGCTCTGAGGCAGGACTGCCAGCTGAAGTATACATTCAGACCATGGTG  
ATGGCACACACACCATTACCTATATTCCCTCTGTCTGGGGCTTACACTGTTACCATCAAGTATGGCGG  
CCAGCCTGTGCCAACTTCCCCAGCAAGCTACAGGTGGAACCTGCTGTAGATACCTCAGGTGTACAGTGC  
TATGGGCTGGGATTGAAGGTCAAGGTGTCTTCCGAGAGGCAACCACTGAGTTTCAAGTGTGGATGCCCGG  
CTCTTACACAGACTGGAGGGCCACATGTCAAGGCTCGAGTGGCCAACCCCTCAGGCAATCTGACAGATAC  
CTATGTGCAAGACTGTGGGGATGGCACATACAAAGTGAATACACTCCATATGAGGAAGGAGTACTCT  
GTGGATGTGACTTATGATGGCAGCCCTGTGCCAGCAGCCCTTCCAGGTGCCTGTAACAGAGGGCTGTG  
ACCCCTCCCGGGTGGTGTCCATGGACCAGGCATCCAAAGTGGTACCACCAACAAACCAACAAAGTTCAC  
AGTAGAAAACAGGGGAGCTGGCACAGTGGCCTGGGCTGGCTGTTGAGGGTCCCTCAGAGGCCAAGATG  
TCTTGTATGGATAATAAAGATGGCAGCTGCTCAGTAGAATACATCCCTATGAAGCTGGAACCTATAGCC  
TTAATGTCACTTATGGTGGTACCAAGTCCAGGTAGTCCCTTCAAGGTCCCTGTACATGATGTGACAGA  
TGCATCTAAAGTCAAGTGTCTGGACCTGGCCTAAGCCCAGGCATGGTCCGTGCCAACCTCCCTCAGTCC  
TTTCAGGTGGACACAAGCAAAGCTGGAGTTGCCCACTGCAGGTCAAAGTGCAGGGGCCAAAGGCTGG  
TGGAGCCAGTGGATGTAGTGGACAATGCTGATGGTACTCAGACTGTCAACTATGTGCCAGCCGAGAAGG  
GTCCTATAGCATTCTGTGCTGTATGGTGAAGAAGAAGTCCACGGAGCCCTTCAAGGTCAAGGTGCTG  
CCTACACATGATGCCAGTAAAGTGAAGGCCAGTGGACCTGGACTCAACACCAGTGGTGTACCTGCTAGCC  
TGCTGTGGAGTTCACCATTTGATGCCAAGGATGCTGGGGAGGGTCTGTTGGCTGTCCAGATTACGGATCC  
TGAAGGCAAGCCCAAGAAGACACACATTCAGATAATCATGATGGCACATACACGGTGGCTTATGTGCCA  
GATGTGCCAGGCCGTACACAATCCTCATCAAGTATGGTGGTGTGAGATTCCCTTTTTCCCGTACCGTG  
TCCGGGCTGTGCCCACTGGGGATGCCAGCAAGTGCACAGTGCAGGTGCTGGCATTGGCCCCACCATCCA  
GATTGGGGAGGAGACGGTATTACTGTGGACACAAAAGCAGCAGGCAAAGGCAAAGTGTACTGTG  
TGCACACCTGATGGCTCAGAGGTAGACGTGGACGTGGTGGAGAATGAGGATGGCACCTTTGACATCTTCT

ACACAGCTCCCCAACCGGCAAATATGTCATCTGTGTGCGCTTCGGTGGCGAGCATGTGCCAACAGCCC  
CTTCCAAGTTACAGCTTTGGCTGGGGACCAACCAACAGTGCAGACCCCATTAAGGTCTCAGCAGCTGGCT  
CCACAGTATAACTATCCTCAGGGTAGCCAGCAAACCTGGATTCCAGAGAGGCCCATGGTGGGCGTTAATG  
GGCTGGATGTGACCAGCCTGAGGCCCTTTGATCTTGTATCCCCCTTCACTATCAAGAAGGGGGAGATCAC  
TGGGAAGTTTGAATGCCCTCAGGCAAGGTGGCCAGCCTTCCATTACTGATAACAAAGATGGCACTGTT  
ACTGTACGTTACTCACCCAGTGAAGCTGGCCTGCATGAAATGGACATTCGCTATGACAATATGCATATCC  
CAGGAAGCCCTCTGCAGTCTATGTTGATTATGTCAACTGTGGCCACATCACTGTTATGGTCCTGGCCT  
TACCCATGGAGTGGTCAACAAACCTGCCACCTTCACTGTCAACACCAAGGATGCAGGAGAGGGGGGCTTG  
TCTCTGGCCATTGAGGGTCCATCTAAAGCAGAAATCAGTTGCACTGACAACCAGGATGGAACATGCAGTG  
TCTCTTACCTGCCTGACTGCCTGGTGAATAGCATCCTAGTTAAGTACAATGATCAACACATCCCAGG  
CAGTCCCTTTACTGCCAGAGTAACAGGTGACGATTCCATGCGTATGTCCACCTAAAGGTGGGTTCTGCT  
GCTGATATCCCCATCAATATCTCAGAAACAGACCTTAGCCTACTCACAGCCACTGTGGTCCACCTTCGG  
GTCGAGAGGAACCCTGTCTGCTGAAACGTTTGCAGAAATGGCCACGTGGGATTTCCTTCGTGCCAAGGA  
GACAGGGGAGCACCTGGTACATGTGAAGAAGAATGGCCAGCATGTGGCAAGCAGTCCCATCCCAGTAGT  
ATCAGCCAGTCGGAGATAGGTGATGCCAGCCGTGTGAGGGTCTCTGGTCAAGGTCTTCATGAAGGTGATA  
CCTTTGAGCCTGCAGAGTTTATTATTGACACCAGAGATGCAGGCTACGGTGGGCTTAGTCTGTCCATTGA  
GGGCCCTAGCAAAGTAGACATCAACACAGAGGATCTGGAGGATGGCACATGCAGGGTCACTACTGTCCC  
ACAGAGCCTGAAACTACATTATAAACATCAAATTTGCTGACCAGCATGTGCCTGGCAGTCCCTTTTCTG  
TGAAGGTGACGGGTGAGGGCCGGGTGAAAGAGAGTATCACACGCAGGCGAGCTGCCCTTCTGTGGCCAA  
TATTGGCAGTCATTGTGACCTCAGCCTGAAGATTCTGAAATTAGCATCCAAGATATGACAGCCAGGTG  
ACCAGCCCATCAGGCAAGACCCATGAGGCGAGAGATCGTAGAAGGAGAGAACCATACTTACTGTATCCGAT  
TTGTGCCTGCTGAGATGGGAATGCATACAGTCAAGTGTCAAGTCAAGGGCCAGCATGTACCTGGGAGCCC  
TTCCAGTTCAGTGTGGGCTCTGGGGAAAGGGGTGCTCACAAGTCCGTGCTGGAGGCCCTGGCCTA  
GAGAGGGCTGAAGCTGGAGTGCCACGGAGTTCGGCATTGGACTAGGGAAGCTGGCGCTGGAGGCCCTGG  
CCATTGCTGTTGAAGGCCCCAGCAAGGCTGAGATCTTTTCGAGGACCGAAAGGATGGCTCCTGTGGTGT  
GGCCTACGTAGTTCAGGAGCCAGGTGACTATGAGGTCTCAGTCAAGTTCAACGAGGAGCACATACCTGAT  
AGCCCCCTCGTGGTGCCTGTGGCTTCTCCGTCTGGTGACGCCCGCCCTTACTGTTTCTAGTCTTCAGG  
AGTCAGGGTTAAAGGTCAACCAGCCAGCATCTTTTGCAGTCAGTCTGAATGGAGCCAAGGGGCAATTGA  
TGCCAAGGTGCACAGCCCTCAGGAGCTCTGGAGGAGTGCATGTACAGAGATTGACCAAGATAAGTAT  
GCTGTGCGTTTCCATCCCACGAGAGAATGGCATCTACTTGATTGATGTCAAGTTCAATGGTACTCACATTC  
CTGGAAGTCCCTTCAAGATCCGAGTTGGGAGCCTGGGCATGGAGGGGACCCAGGCTTAGTGTCCGCTA  
TGGAGCAGGCCTGGAAGGTGGTGTACAGGGAGCCAGCAGAGTTTATTGTGAACACAAGCAATGCAGGA  
GCTGGTGGCCCTTCGGTTACCATTGATGGCCCTCCAAGGTGAAGATGGATTGCCAGGAGTGCCCGGAGG  
GCTATCGTGTACCTATACCCCATGGCACCTGGCAGTACCTCATCTCCATCAAGTATGGTGGCCCTA  
TCACATTGGTGAAGTCCCTTTAAAGCCAAGGTACAGGTCTCGTCTTGTAAAGCAACCACAGCCTCCAT  
GAGACATCATCTGTGTTGTGGACTCTTTGACTAAAGTTGCCACGGTTCGCCAGCATGCAACCTCAGGCC  
CAGGTCCTGCTGATGTGCAAGGTAGTAGCCAAAGGCTGGGCCTAAGCAAGGCTTATGTAGGCCAGAA  
GAGCAACTTACAGTAGATTGCAGCAAAGCAGGTAACAACATGCTGCTGGTGGGCGTGCATGGCCCAAGG  
ACACCCGTGAAGAGATCCTGGTAAACACATGGGCAGCCGCTCTATAGTGTCTTACCTGCTCAAGG  
ACAAAGGGAGTACACACTGGTGGTCAAGTGGGGTATGAGCATATCCCAGGCAGCCCATACCGCATTAT  
GGTACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG227403 representing NM\_010227  
 Red=Cloning site Green=Tags(s)

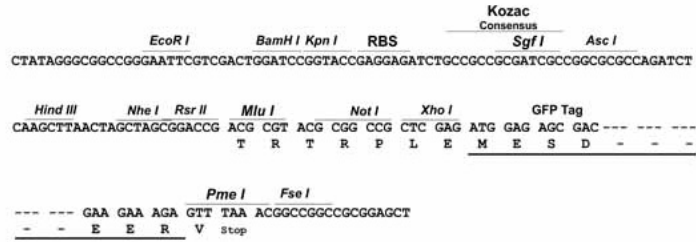
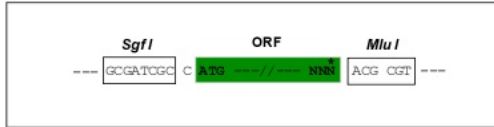
MSSSHSRGQSAAVASPGGSIDSRDAEMPATEKDLAEDAPWKKIQNTFTRWCNEHLKCVSKRIANLQTD  
 LSDGLRLIALLEVL SQQKMHRKHNRPTFRMQLENVVALEFLDRESIKLVSIDSKAIVDGNLKLILGL  
 IWTLILHYSISMPMWDEEEDEEAKKQTPKQRLLGWIQNKLPQLPITNFSRDWQSGRALGALVDSAPGLC  
 PDWDSWDASKPVNNAREAMQQADDWLGIPQVITPEEIVDPNVDEHSVMTYL SQFPKAKLKPAPLRPKLN  
 PKKARAYGPGIEPTGNMVKKRAEFTVETRSAGQGEVLVYVEDPAGHQEEAKVTANNDKNRTFSVWYVPEV  
 TGTHKVTVLFAGQHI AKSPFEVYVDKSSQGDASKVTAQGGPLEPSGNIANKTTYFEIFTAGAGMGEVEVVI  
 QDPTGQKGTVEPQLEARGDSTYRCSYQPTMEGVHTVHVTFAGVPIPRSPYTVTVGQACNPAACRAIGRGL  
 QPKGVRVKETADFKVYTKGAGSGELKVTVKGPKGEERVKQKDLGDGVYGFEEYPTIPGTYTVTITWGGQN  
 IGRSPFEVKVGTCEGNQVRAWGPGLEGGIVGKSADFVVEAIGDDVGTGFSVEGSPQAKIECDDKGDGS  
 CDVRYWPQAGEYAVHVL CNSEDIRLSPFMADIREAPQDFHPDRVKARGPGLKTVAVNKP AEFVDAK  
 HAGKAPLRVQVDNEGCSVEATVKDNGNGTYSCSYVPRKPVKHTAMVSWGVSIPNSPFRVNVGAGSHPN  
 KVKVYGPVAKTGLKAHEPTYFTVDCTEAGQGDVSIKICAPGVVGPTEADIDFDIIRNDNTFTVKYTP  
 CGAGSYTIMVLFADQATPTSPIRVKVEPSHDASKVKAEGPGLNRTGVELGKPTHTVNAKTAGKGLDVG  
 FSLGAKGDAVRDVIDIDHHDNTYTVKYIPVQGGPVGVNVTYGGDHIPKSPFSVGVSPSLDL SKIKVSGLG  
 DKVDVGDQEFVTKSKGAGGQGVASKIVSPSGAAVPCVPEPGLGADNSVRFVPREEGPYEVEVTDGV  
 PVPGPSFPLEAVPTKPSKVAFGPGGLQGGNAGSPARFTIDTKGAGTGGLGLTVEGPCEAQLECLDNGDG  
 TCSVSYVPTPEGDYINILFADTHIPGSPFKAHVAPCFDASKVKCSGGLERATAGEVGFQVDCSSAGS  
 AELTIEICSEAGLPAEVYIQDHGDGHTITYIPLCPGAYTVTIKYGGQVPNFPKLVQVEPAVDTSGVQC  
 YGPGIEGQGVFREATTESVDARALTQTGGPHVKARVANPSGNL TDTYVQDCGDGTYKVEYTPYEEGVHS  
 VDVTYDGSVPSPFPVPTVEGCDPSRVRVHGPGIQSGTTNKNPKFTVETRGAGTGGLGLAVEGPSEAKM  
 SCMDNKGSCSVEYIPYEAGTYSLNVTYGGHQVPGSPFKVPVHDVTDASKVKCSGGLSPGMVRANLPQS  
 FQVDTSKAGVAPLQVKVQGPGLVEPVDVVDNADGTQTVNYVPSREGSYSISVL YGEEVPRSPFKVKVL  
 PTHDASKVKASGPGLNNTGVPASLPVEFTIDAKDAGEGLLAVQITDPEGKPKKTHIQDNHDGTYTVAYVP  
 DVPGRYIILIKYGGDEIPFSPYRVRAVPTGDASKCTVTGAGIGPTIQIGEETVITVDTKAAGKGVCTCTV  
 CTPDGSEVDVVDVENEDGTFDIFYTAPQPGKYVICVRFGGHEHPNPFQVTLAGDQPTVQTPLRSQQLA  
 PQYNYPQGSQQTWIPERPMVGNL DVTSLRPFDLVIPFTIKKGEITGEVRMPSGKVAQPSITDNKDGTV  
 TVRYSPEAGLHEMDIRYDNMHIPGSPLQFYVDYVNCGHITAYGPGLTHGVVNKPATFTVNTKDAGEGGL  
 SLAIEGPSKAEISCTDNQDGTCSVSYLPVLPGDYSILVKYNDQHIPGSPFTARVTGDDSMRMSHLKVGSA  
 ADIPINISSETDLLTATVVPPSGREEPCLLKRLRNGHVGISFVPKETGEHLVHVKKNQHVASSPIPVV  
 ISQSEIGDASRVRVSGQGLHEGHTFEPAEFIIDTRDAGYGGLSLSIEGPSKVDINTEDLEDGTCRVTYCP  
 TEPGNYIINIKFADQHVPGSPFSVKVTGEGRVKESITRRRRAPSVANIGSHCDLSLKIPEISIQDMAQV  
 TSPSGKTHEAEIVEGENHTYCI R FVPAEMGMHTVSVKYKQHVPGSPFQFTVGPLGEGGAHKVRAGGPG  
 ERAEAGVPAEFGIWTREAGAGGLAIAVEGPSKAEISFEDRDKDGS CGVAVVYVQEPGDYEVSVKFNEEHIPD  
 SPFVVPVAVSPGDARRLTVSSLQESGLKVNQASFAVSLNGAKGAIDAKVHSPSGALEECYVTEIDQDKY  
 AVRFI PRENGIYLIDVKFNHGHIPGSPFKIRVGEPEGHGGDPGLVSAYGAGLEGGVTGSPAEIFVNTSNAG  
 AGALSVTIDGPSKVKMDCQECPEGYRVTYTPMAPGSYLISIKYGGPYHIGGSPFKAKVTGPRLVSNHSLH  
 ETSSVFVDSLTKVATVPQHATSGPGPADYSKVVAKGLGLSKAYVGQKSNFTVDCSKAGNMMLLVGVHGPR  
 TPCEEILVKHMSRLLYSVSYLLKDKGEYTLVVKWGDEHIPGSPYRIMVP

TRTRPLE - GFP Tag - V

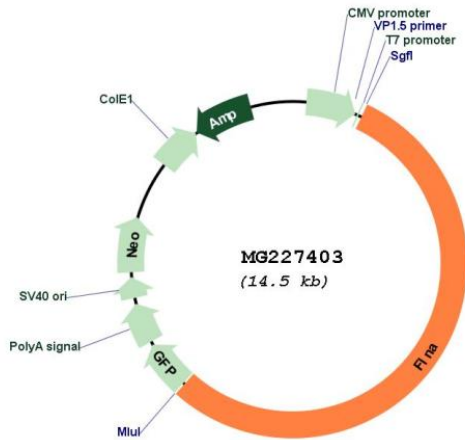
**Restriction Sites:** Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_010227  
 ORF Size: 7917 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_010227.2</a>
<b>RefSeq Size:</b>	8371 bp
<b>RefSeq ORF:</b>	7920 bp
<b>Locus ID:</b>	192176
<b>Cytogenetics:</b>	X 37.89 cM
<b>Gene Summary:</b>	<p>Actin binding protein that promotes orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins (By similarity). Interaction with FLNA may allow neuroblast migration from the ventricular zone into the cortical plate. Tethers cell surface-localized furin, modulates its rate of internalization and directs its intracellular trafficking. Involved in ciliogenesis. Plays a role in cell-cell contacts and adherens junctions during the development of blood vessels, heart and brain organs (PubMed:17172441). Plays a role in platelets morphology through interaction with SYK that regulates ITAM- and ITAM-like-containing receptor signaling, resulting in by platelet cytoskeleton organization maintenance (PubMed:20713593).[UniProtKB/Swiss-Prot Function]</p>