

Product datasheet for MR231949

Pde4dip (NM_001289702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4dip (NM_001289702) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde4dip
Synonyms:	4732458A06Rik; 9430063L05Rik; C87016; D3Bwg1078e; D130016K21Rik; mKIAA0454; Usmg4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231949 representing NM_001289702 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAAGCGCACGGACAGCGGGTCCATCTGCCACCACGCGCCGCCCGTGTGGGCTCACCACGCACCTC
GCCAGTCTCCACGGCAGCCCTCCAGCCGGGAACGAAGACCCCGAGAGCGGGCTGGGAGCTGGCGGTGGC
GGCAGAGGAGGAGGAGGCAGCCTCGGCGGCACCCTGGATGAGGCATTATTTGGAGAAGATGATGGAGAG
ATGGTACCAGAACAAAGCAGTGCAGCAGCTTTCTCAGTGACACTAAAGATCGAGGTCCTCCGGTTCACT
CGCAGACCTGGAGAAGTCTGAGAGGGTCCCTTCGGGCAGGCACACTCCTTGAGAGCGTTTGAGAAGCC
CCCTCTGGTACAGACCCAGGCTCTTCGAGACTTTGAGAAGCACCTCAATGACTTGAAGAAGGAGAACTTC
AGCCTCAAGCTGCGCATCTACTTCTGGAGGAGCGCATGCAACAGAAATGAAGTCAGCCGGGAGGATG
TCTACAAGCGAACATCGAGCTGAAGGTTGAAGTGGAGAGCCTGAAACGAGAAGTCCAGGACAGGAAACA
GCATCTAGATAAAAACATGGGCCGATGCAGAGGATCTCAACAGCCAGAATGAGGCAGAGCTCCGGCGCCAG
GTTGAAGAACGGCAGCAGGAGACAGAACACGTTTATGAGCTCCTAGGGAACAAGATCCAGCTGCTGCAGG
AGGAACCCAGGCTAGCAAAGAATGAAGCCACAGAGATGGAGACTCTGGTGGAGGCAGAGAAGAGGTGCAA
TCTGGAGCTCTCAGAGAGGTGGACGAATGCTGCCAAGAACAGGGAAGATGCAGCAGGAGACCAGGAGAAG
CCTGACCAATATTCTGAGGCACTGGCTCAGAGGGACAGGAGAATTGAAGAGCTGAGGCAGAGCTTGCTG
CTCAGGAGGGGCTTGTTGGAACAGCTGTCTCAAGAGAAAACGACAACCTGTTACATCTGCTGGAGGAGCCAGC
GAGCATGGAAGTGCAGCCCGTGCCTAAAGGGTTACCCACGCAACAGAAGCCGGACTTGATGAGACCCCT
ACAACCCAGCCACCTGTGTCTGAGTCCCACCTGGCAGAACTCCAGGACAAAATCCAGCAAACAGAGGCCA
CCAACAAGATTCTCAAGAGAACTGAATGACCTGAGCTGTGAGCTGAAATCTGCACAGGAGTCACTCA
GAAGCAAGATACGACAATCCAGAGCCTCAAGGAAATGCTTAAAAGCAGGGAAAGTGAAGTGAAGGAGCTG
TACCAGGTGATCGAAGGACAAAATGACACAATGGCAAAGCTTCGGGAAATGCTGCACCAGAGCCAGCTCG
GACAGCTCCACAGCTCAGAGGGCATTGCCCTGCTCAGCAACAGGTAGCCCTGCTTGACCTTCAGAGCGC
TCTATTCTGCAGCCAGCTTGAATACAGAGGCTCCAGAGGCTGGTCCGGCAGAAAGAACCAGCTGGCG
GATGGCAAGCGATGTGTGCAGTTAGTGGAGGCTGCAGCCAGGAGAGAGACCAGAAGGAAGCTGCT



GGAAACATAACCAGGAATTACGAAAGGCTTTACAGCACCTCCAAGGAGAACTGCACAGCAAGAGCCAGCA
GCTCCATGTTCTGGAGGCGGAAAAATACAATGAGATTCGAACCCAGGGACAAAACATCCAACACCTAAGT
CACAGTCTGAGTCACAAAGAGCAGCTAATTCAGGAACTCCAGGAGCTCCTACAGTATCGTGACAACGCAG
ACAAAACCTCTAGACACAAACGAAGTGTTCCTTGAGAAATTGCGGCAACGAATACAAGACCCGAGCTGTTGC
TCTAGAGCGGGTCATAGATGAGAAGTTCCTGCTCTAGAAGAAAAGGACAAGGAACTGCGGCAGCTTCGC
CTAGCTGTGAGGGACCGAGACCTGACTTAGAGAGACTGCGTTGTGTCTGTCCGCAATGAAGCTACCA
TGCAGAGCATGGAGAGTCTCCTGAGGGCCAGAGGCCTGGAAGTGGAGCAGTTAACTGCCACCTGCCAAAA
CCTCCAGTGGCTGAAAGAAGAACTGAAAACCAAATTTGGCCATTGGCAGAAGGAACAGGAGAGCATTCAAT
CAGCAATTGCAGACATCTCTACACGACAGGAACAAAGAAGTAGAGGATCTCAGCGCAACTCTGCTGTGA
AACTTGACCGGGTCAGAGTGAAGTAGCTGAGGAACTGTGCCAGCGCTTGACGCGAAAGGAACGGATGCT
GCAGGACCTTCTGAGCGATCGGAACAAACAAGCCGTGGAGCAGGAGATGGAGATCCAGGGGCTGCTCCAG
TCGATGGGCACCGAGGAGCAGGAAAGACAGGCTGCTGCAGAAAAAATGGTCCAGGCTTCATGGAAGGA
ACTCAGAACTGCAGGCCCTGCGCCAGTATTTAGGGGGAAAGAACTAATGACATCGTCTCAGACGTTTATG
CTCTAACCCAGCCAGCTGGAGTACGCTCCATCGGGCCTCACCACGGAGAGCAAACCGATCAAGGTTCTATG
CAGATGCCCTCTCGAGATGATAGCACCTCACTGACTGCTAGAGAGGAGGCCAGCATAACCCGGTCCACAT
TAGGAGACTCGGACACAGTTGCAGGGCTGGAGAAAAGAACTGAGCAACGCCAAGGAGGAGCTCGAGCTCAT
GGCCAAAAAGAAAGAGAAAGCCAGATGGAAGTGTCTGCCCTGCAGTCCATGATGGCCATGCAAGAGGAA
GAGCTGCAGGTGCAGGCTGCTGACTTGGAGTCCCTGACCAGGAATGTGCAGATAAAAAGAAATCTCATAA
AGGACCTGCAGATGCAACTGGTCGACCTGAAGATATACCAGCCATGGAGCGTCTTACCCAAGAGGTCTT
ACTTCTTCGGGAAAAAGTTGCTTCCGTGGAACCCAGGGTCAGGAAGTATCAGGGAACAAGAGACAGCAG
TTGCTGCTGATGTTAGAAGGACTAGTGGATGAACGGAGTGGCTCAACGAGGCCCTGCAAGCTGAGAGGC
AACTCTACAGCAGCCTGGTCAAGTTCATGCCAGCCAGAGAACTCTGAGAGAGACGAACTCTGCAGGT
GAACTGGAAGGGGCCAGGTGTTACGCACTCGACTAGAAGAAGTCTTGGAAAGAACCTGGAGCGTTTA
AGCAGGCTGGAGAGCCTGGCCCGCATTTGAGGTGCTACTGCAGGCAATGAGACTGAAGATACAAGCAGCG
AGTTCACAGACAGCATTGAGGAGGAGGCTGCACACACCAGCCACCAGCAACTCATTCAAGGTGGCTTTGGA
GAAAAGCCTGGCAACCATGGAGACCCAGAACATATGTCTTCAGCCCTTCCCCAGTAGGAGAGGACAGT
AACAGGTGTCTTCAGGAGGAAAATGCTCCACCTGAGGGCTGAAAATCCACCAGCACTTAGAGGAGAAGAGAA
AAGCTGAGGTGGAACCAAGGAGCTAAAGGCTCAAATTGAGGAAGCAGGATTCCTCTGTGTCCCACAT
CAGGAACACCATGCTGAGCCTTTGCCTTGAGAACGCAGAGCTGAAGGAGCAGATGGGAGAAGCAATGTCT
GATGGATGGGAGGTGAGGAGGACAAGGAGAAGGGCGAGGTGATGCTGGAGACAGTGGTCCGCAAGGGT
GTCTGAATGAGAACAGCCTTCAGGCTGAGTTCAGGAAAGTCCAGGGGAACTCAAGAGTGCCTACAACAT
CATCAACCTCCTCAAAGAGCAGCTGCTCCTGAGGAGCTCGGAAGGGAACAGTAAAGAGATGCCAGAGCTC
TTGTGCGCCTGGCCAGGGAGGTGGACAGAATGAACACGGGTCTGCCTTCCCTGGGGAAGCATCAGCACC
AAGAGCAGGAGAAATACGACCACCGAAGGCCTGGCTCGAGACCCAGAGCCTCCCCTGGGGCAGCCCT
CTCAGTGGATGGCTACCAACTGGAGAACAAGTCTCAGGCCAAGACTCTGGACACCAGCCAGAAATTTAGC
CTCCCGGGCTCCACCAACACCTGCGTTCCAGCTGGCTCAGTGCAGACAACGATACCAAGATCTCCAGG
AGAAGTTGCTCATCTCAGAAGCTACCGTGTTCGCCAGGCAAACAGCTGGAGAAGTACAGAGCCGTATT
CAGTGAATCCCTGGTGAACAGGACAGCAAGCAGATCCAGGTGGACCTTCAAGACCTGGGCTACGAGACT
TGTGGCCGAAGTGAAGTGAAGCTGAACGTGAGGAGACCAGCCCGAGTGTGAGGAACACAATAACC
TGAGGCCCGTGGTCTCATGGAGGGGCTGTGCTGAGCAGGGGTACCTGGACCCTGTCTTGGTCAGCCC
ACCTGCGAAGAAGCCCTTGAGAAACAAGCCGGGAAAGCAAGAGGAGTTCCGTGCACATGGAACCTCCGGAC
GACAGCTCTCTCTGAGGAAGGACATCCGAGACCTGAAAGCCAGCTACAGAATGCCAACAGGTCAATTC
AGAACCTGAGGAGCCGGTCCGGTCCCTGTCTGCCACAAGCGACTACTCATCAAGTCTGGAGAGACCCCG
CAAGCTGAGAGCCGTGGCAGCCCTTGGGGGGCTTACCCACAGCGTACTGATGAAGTGAAGGGTGG
CTGTCAGATGGCACTGGGCTTTTTACCCTCCAGGACTCCAGGCCAAAAAAGATCTAGAGAGTCTCATCC
AGCGAGTATCCCAACTGGAGGCCAGCTCCCCAAAAGTGGACTAGAAGGGAAAGCTGGCCGAGGAGCTGAG
GTGTGCCTCGTGGCTGGAAAATATGATTCCTTGATTGAGGATCAGGCCCGAGAAGTATCATATCTGCGT
CAAAAGATACGAGAAGGGAGGGGATATGTTATCTTCTACCCAACATGCAAAAGATACTGTAAAATCTT
TTGAGGACCTCCTTAGGAGCAACGACATTGACTACTACCTGGGCCAGAGCTTCCGGGAGCAACTAGCCCA
GGGAGGTGAGTACGGAGAGGCTCACCAGCAAACCTCAGCACAAGGATCATAAGAGTGAAGGAAAGAA
GCTGGGCTTGGCCACTGGCCCTCAGGCTCAGCAGGGAACACAGGAGAAAGAGAAAGTAAATGAGGTCC
TGCAGGCCAAGCTGGATACCCGGTCTCTCACCCCAAGCAGCCACGCCGTGTCTGACTCCCACCGCTC

CGCCAGCACACATCCTTCTGTGCGGATGACATAGAAGCCTGCTCTGACATGGACGTAGCCAGCGAGTAC
ACACACTACGACGAGAAGAAACCCTCACCCAGTCACTCAGGCTTTCACCTTTCACCTCCATACCCAAGCCGG
CTAGCCTTTCCAGACACCAATGCACTCCGCTCTGCCAGCTTTGTGCCTTTCAGCCCCTCCGGGCTCC
CCTTCTGGGTTGCTGTGAGACACCGATGGTGTCTTGGCTGAGGCTCAACAAGAGCTGCAGATGCTGCAG
AAGCAGCTGGGAGAAAGTGTAGCATTGCCCTCCCGCTCCACATCCACGCTGCTCAGCAACCAGACTG
AAGTAGCTCTCCCCTACATCAACCTGCCAGCCCCACACTCCGACAAGGAGCACCATAGAGCTGGG
ACGAATCCTGGAGCCTGGATACCTGGGAAGCAGCGGCCAGTGGGACATGATGAGGCCCCAGAAAGGGAGC
GTCTCTGGGGAGCTGTCCCTCAGGCTCCTCGATGTACCAGCTTAACTCCAAGCCCCTGGCGCTGACCTGT
TGAAGAGCATTTAGGTGAGATCCGGAACCTGCGCCAGCGCTGGAGGAGTCCATATGTGTCAATGACCG
GCTGCGGGAGCAGCTGCAGCACAGGCTCAGCTCCACTGCCGAGAAAACGGTTCCACCTCTCACTTCTAC
AGTCAGGGCTGGAGTCCATGCCTCAGCTCTACAATGAGAACAGAGCCCTAAGGGAAAGAAAACAAAGCC
TGCAGACACGGCTCAGCCATGCTCCAGAGGACTCCAGGAAGTGGATCACCTGCGGGAGGCTCTGCT
CTCCTCCAGATCCAGCTTCCAGGAGCTGGAGAAGGAGCTGGAGCAGCAGAAGGCTGAGCGGCAGCAGCTC
CTGGAAGACTTGCAGGAGAAGCAGGATGAGATCGTGCAGTTCAGAGAGGAGAGGCTGTGCTCCAGGAAA
ACAACCTCAGGCTGCAGACAAGCTGGCCCTCCTGCAACAACAGTCCGAAGAGAAAACAGCAGCTCTCCCT
GTCCCTGCAGTACAGACTCCAGATCTACGAGTCCCTCTGTGAAAATCCCAAGAAGGCCTTAAAGCTTTT
AGCCTAGATTCTGTACCAAGTCCCGGTGAGTTAAGCTGCCTGGTGGCAGAGATTCGAGCTCTGAGAG
GACAGTTGGAGCAGAGCATTGAAGTGAACAACCGTCTTCGGCTACAGCTGGAACAGCAGATGGATCGTGG
TGCTGGCAAAGCCAGTCTCGGCCCATCGCTGTTGGCCAGAGCTTCCAGACAAGGCAGAGCCAGCAAAC
CTGCACCAAGGTTCCGCTGCTTCCCCTCCAGTCCGGGACGTTGGCTTGAATTCAGCCATGGTCTCCTC
CCAACCTTCTTGCTCCGCTCCTGGCTCAGACCATGCCATTGTCACCAGGACAAACAACGAGCTAAGTTC
AGATGATTCTGCAGCAATGAAGAACCCTCCCAAGCTGGAGGTCGATGCTACCGATGGCCATTTGCCAAC
AAACACGGAAGACACGTCATCGCCATGTTGATGACTACGATGCTCTGCAACAGCAGATTGGGGAAGGCA
AGCTGCTGATTCAAAGATACTGTCTCTCATGAGGTCAGCACGCAGCATCCCTGGGCAAGAAGCTCAGGA
CACAGAGGCCACAGGTAACATAAGTGCCCATGAGCTTCGGAGCAGCGCCAAGGCTCTGAACCACGCCCTA
GAAGAGTCAACATCCCTACTCAACATGTTCTGGAGAGCAGCCTTGCCAAACTCATGGTCTGTACTGG
TAGGCAAAGAGGGACAACCTGATGGAGAAAGAACTTTGGACCTGCGAGCCCAAGTATCCCAACAGGAACA
GATCCTTCCAGAACTGCTGCACGCTGAAAGAGGGCCAACCAGAGGAAGAAAAGCATGGAACAATTCATC
GTGAGCCATTTGACTAGGACCCATGATGTCTTGAAGAAAGCGGGACTAATTTAGAGATGAAATCCTTCA
GGGCTCTGACGTGCACTCCGGCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231949 representing NM_001289702
 Red=Cloning site Green=Tags(s)

```

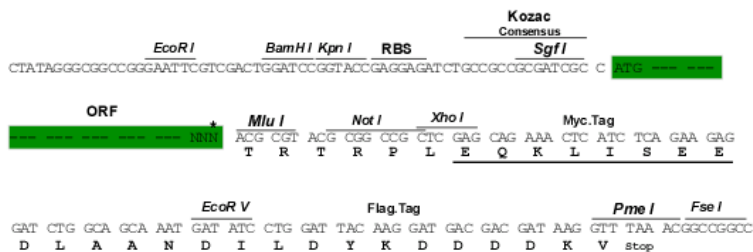
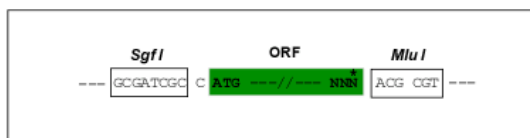
MKRTDSGSICHHAPPPCAWHHAPRQSPRQPSSRERRPPERAGSWAVAAEEEEEAASAPWMRHYFGEDDGE
MVPRTSSAAAFSLSDTKDRGPPVQSQTWRSAERVVFGQAHSRAFKEKPLVQTQALRDFEKHLNLDLKKENF
SLKLRIFYFLEERMQQKYEVSRVDYKRNIELKVEVESLKRELQDRKQHLDKTWADAEDLNSQNEAELRRQ
VEERQTEHVYELLGNKIQLLQEEPRLAKNEATEMETLVEAEKRCNLELSERWTNAAKNREDAAGDQEK
PDQYSEALAQDRRIEELRQSLAAQEGLVEQLSQEKRQLLHLLLEEPASMEVQPVKGLPTQQKPDHETP
TTQPPVSESHLAELQDKIQQTEATNKILQEKLNLDLSCLEKSAQESSQKQDITIQSLKEMLKSRSETEEL
YQVIEGQNDTMAKLREMLHQSGLGQLHSSEGIAPAQQQVALLDLQSAFCSQLEIQRLQRLVRQKERQLA
DGKRCVQLVEAAQEREHQEAAWKHNLQELRKALQHLQGELHSKSQLHVLEAEKYNEIRTQGGNIQHLS
HSLSHKEQLIQELQELLQYRDNADKTLTNEVFLEKLRQRIQDRAVALERVIDEKFSALEEKDKELRQLR
LAVRDRDHLERLRCVLSANEATMQSMESLLRARGLEVEQLTATCQNLQWLKEELETKFHGWQKEQESI
QQQLQTSLHNRNKEVEDLSATLLCKLGGQSEVAEELCQRLQRKERMLQDLLSDRNKQAVEHEMIEQGLLQ
SMGTREQERQAAAEKMQAFMERNSELQALRQYLGKELMTSSQTFISNQFAGVTSIGPHHGEQTDQGS
MPSRDDSTSLTAREEASIPRSTLGDSDTVAGLEKELSNAAKEELEMMAKRESQMELSALQSMMAQEE
ELQVQAADLESLTRNVQIKEDLIKDLQMQLVDPEDIPAMERLTQEVLLLREKVASVEPQGEVSGNKRQ
LLLMLLEGLVDESRNLNEALQAERQLYSSLVKFHAQPENSERDGTLQVELEGAQVLRTRLEEVLRGSLERL
SRLESLAAIGGATAGNETEDTSTEFSTDSIEEEAAHTSHQQLIKVALEKSLATMETQNICLQPPSPVGEDS
NRCLQEEMHLRAEIHQHLEEKRAEVELKELKAQIEEAGFSSVSHIRNTMLSLCLENAELKEQMGEMS
DGWEVEEDKEKGEVMLETVVAKGCLNENSLQAEFRKVQGLKSAJNIINLLKEQLLRSSEGNKEMPEL
LVRAREVDRMNTGLPSLKGKHQHQEQENTTTARPGSRPQSLPLGAALSDVGYQLENKSQAQDSGHQPEFS
LPGSTKHLRSQLAQCRQRYQDLQEKLLISEATVFAQANQLEKYRAVSESLVKQDSKQIQVDLQDLGYET
CGRSENAEREETTSPCEEHNNLRPVVLEMEGLCSEQGYLDPVLSPPAKKPLENKPGKQEEFRAHGTDP
DSSLRDKDIRDLKAQLQNANKVIQNLRSRVRSLSATSDYSSSLERPRKLRVATLEGASPHSVTDEDEGW
LSDGTGAFYPPGLQAKKDLESLEIQRVSQLEAQLPKTGLEGKLAEEELRCASWPGKYDSLQDQARELSYLR
QKIREGRGICYLLTQHAKDVKSFEDLLRSNDIDYYLGGSFREQLAQGGQLTERLTSKLSKDHKSEKEE
AGLEPLALRLSRELQEKEKVIQVLAQKLDTRSLSPPSSHAVSDSHRSASTTSFLSDDIEACSDMDVASEY
THYDEKKPSPSHSGFHFHSIPKPASLSQTPMHSALPSFVFPSPSGPPLLGCETPMVSLAEAAQELQMLQ
KQLGESVSIAPPASTSTLLSNQTEASSPHYINPAQPHTPTRSTIELGRILEPGYLGSSGQWMMRPQKGS
VSGELSSGSSMYQLNSKPTGADLLEHLGEIRNLRQRLEESICVNDRLREQLQHRLSSTARENGSTSHFY
SQGLESMPLQYNENRALREENQSLQTRLSHASRGHSQEV DHLREALLSSRSQLELEKELEQQAERQQL
LEDLQEKQDEIVQFREERLSLQENNSRLQHKLALLQQQCEEKQQLSLSLQSELQIYESLCENPKKALKAF
SLDSCHQVPGELSCLVAEIRALRGQLEQSIQEVNRLRLQLEQQMDRGAGKASLGPVAVGQSFDPKAEPA
LHQGSAASPPVRDVGLNSPAMVLPNSSCSAPGSDHAIIVTRTNNELSSDSSAAMKNPPKLEVDATDGFAN
KHGRHVIGHVDDYDALQQQIGEGKLLIQKILSLMRSARSIPGQEAQDTEAPGNISAHELRSSAKALNHAL
EESTSLNMFWRAALPNTHGPVLVGKEGQLEKELLDLRAQVSSQEQEILQNTAARLKRANQRKKSMEQFI
VSHLTRTHDVLKARTNLEMKSFRALCTPAL
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

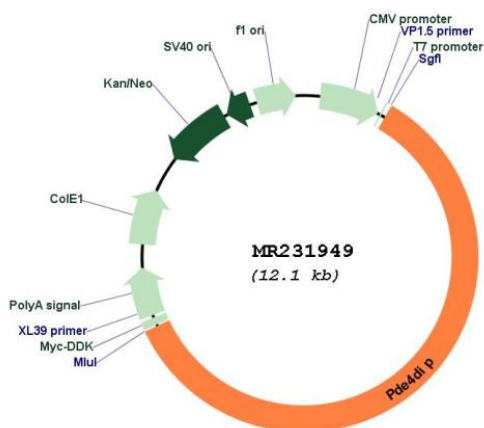
Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:

ACCN:

NM_001289702

ORF Size:	7236 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001289702.1 , NP_001276631.1
RefSeq Size:	8260 bp
RefSeq ORF:	7239 bp
Locus ID:	83679
Cytogenetics:	3 42.28 cM
MW:	272.9 kDa
Gene Summary:	Functions as an anchor sequestering components of the cAMP-dependent pathway to Golgi and/or centrosomes (By similarity).[UniProtKB/Swiss-Prot Function]