

Product datasheet for MR221099

Cenpf (NM_001081363) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpf (NM_001081363) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cenpf
Synonyms:	6530404A22Rik; AI325968; CENF; Lek1; mitosin; PRO1779
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221099 representing NM_001081363 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGGCCCTGGAAGAATGGAAGGAAGGTCTCCCTCCAGAGCTTTCAGAAGATCCAAGAGCTTG
AAGGACAGCTGGAGAAGCTGAAGAAGGAGAAAACAACAGAGGCAGTTCAGCTGGACTCTCTCGAAGCTGC
GCTGCAGAAGCAGAAGCAGAAGGTTGAAGACGGAAAGACTGAGGGTGCAGACCTGAAAAGGGAAAATCAA
AGGTTGATGGAGATATGCGAACATTTGGAGAAGTCAAGGCAGAAGCTGTCTCATGAATTCAGTTAAGG
AGTCACAAGTGAATCTCCAAGAGAGCCAAGTCTGAGCTCATGCAAAAAGCAAATAGAAAACCTGGAACAGGA
ACTTAAGCGGTGTAATCTGAATTTGAAAGAAGCCAACAAGTTGCACAATCGGCAGATGTTTCTCTGAAT
CCATGCAGTACACCACAGAACTCTTTGCAACTCCAACCGAGTCCACATACGAAGATCTGAAAAG
AAAAATAATAAAGAAGTTGAAGAACGGAAGAGGTTAGAGGAAGAGGTTAAAGCTTTGCATGCAAAAAA
AGTGAGCCTGCCTGTTTCCCAAGCCACCATGAACCACCGGGACATTGCGAGACATCAGGCTTCTCATCA
GTGTTTCTTGGCAACAGGAAAATACCCCAAGTCGCCTTTCATCGGATGCTCTGAAAACCCCACTGAGGA
GAGACGGCTCTGCTGCTCACTTTTTGGGGGAAGAAGTGAAGTCTTAACAAATCAAGTATGAAGACAGGGAG
AGGAGACTGCAGCAGCCTCCCTGGTGAAGTACAGCTCACAGCGCTCAGCTTTTGCACCAGGCCAAAGCCCAGAAT
CAAGACCTAAAAGCAAGATGACTGAGTTAGAAGTACGCTGCAAGGGCAAGAAAAGGAAATGAGAAGCC
AAGTGAATAAATGTCAAGACTTACAGCTACAGCTGGAGAAGACGAAAGTGAATTTGATTGAAAAGGAGAG
AATTTTGAATAAAAACAGAGATGAAGTAGTGAAGACACAGCACAGTATGACCAGGCCGAGCAAGTGT
ACTACCTTGAACAAAAGCTGAAAACCTTGGACTGAGGAGTTGAGTTGTCACCGACAGAACGCAGAGAGTG
CTAAACGTTCTCTGGAACAGAGGATTAAGGAGAAAAGAAAGGAGCTTCAAGAGGAGCTGTCCCGACAGCA
TCAATCTTTCCAAGCTCTGGACAGTGAAGTACACTCAGATGAAAACAGACTTACCCAGGAGTTACAGCAA
GTCAAGCATTTGCACAGCACCCTCCAGCTGGAAGTGGAGAAGGTCACATCAGTGAAGCAGCAGTTAGAAA
GGAATTTGGAAGAAATTAGGCTTAAGTTGAGCAGAGCAGAACAAAGCTCTCAGGCAAGTCAGGTCGCAGA
AAACGAGCTGAGGAGAAGCAGTGAAGAAATGAAGAAGGAGAACAGTCTCATTAGGAGTCACTGAGCAG



[View online »](#)

AGGACCAGAGAAGTCTGCCACCTGGAGGAAGAACTTGGTAAAGTCAAAGTGTCTTTGAGTAAGAGCCAGA
 ATTTTGCAGAAGAAATGAAGGCTAAGAATACCTCTCAGGAAATCATGTTACGAGATCTTCAGGAAAACT
 AAATCAGCAAGAAAACTCACTAACTTTAGAGAAGCTGAACTTGCCTAGCTGATCTGGAAGACAGCGA
 AACTGTTCTCAAGATCTCTTGAAGAAAAGGGAACATCACATTGATCAACTGAATAATAAGTTAAATAAGA
 TAGAGAAAAGATTGAACTTTGCTGAGTGCTTTGGAATTAAGAAAAGAAAGAAATGTGAAGAATTGAAAGA
 AGAGAAAAATCAGATTTCTTTTGGAAAATTGATAGTAAAAACTCATAAATCAGATAGAATCAGAAAAA
 GAAATCTTATTGGTAAAATTAACCCTTAGAGACCAGCCTCAAGACACAACAAGTAAGCTGACTCTA
 ATGAGAGAATAAGAACACTGGAGATGGAAAGAGAAAACTTTACTGTGGAGATTAAGAACTTCAAAGTAT
 GTTAGACAGCAAGATGGTAGAGATCAAGACACAGAAAACAAGCTTACTTGGAACTGCAGCAGAAAATCCGAA
 TCCTCGGACCAAAAAGCATCAGAAGGAGATAGAGAATATGTGCTTGAAGCAAATAAGCTCACTGGGCAAG
 TTGAAAGTTTGAATGTAAGCTTCAGTTATTGTCAAGTGAAGTAGTGACCAAGACCAGCAGTACCAAGA
 CTTGCGTATGGAATAGAGACTGAGGGATTTGCTCAAGTCCAGAGGATCTTCTCTGGTGACAAATGAG
 GATAATCAGCGAAGTCTGAGGATAATCAGAGAAGTCTGAGGATAATCAGAGAGGCTCTTTGGCTTTTG
 AACAGCAGCCTGCAGTGAGTGATTCTTTGCAAATGTAATGGGGAGAAAAGGAAGCATAAATTCAGAAAG
 GAGTGACTGCTCTGTAGATGGGGCCGAAGTCCAGAACATATAGCCATCTTACAAAATAGAGTCACTTCA
 CTTGAAAGTTCTTGGAGTCTAAAACCCAGATGAATTCAGATTTGCAAATGCGGGTGTGAAGAGTTGCTAC
 AAATCAAAGGGGAAGTAGAAGAAAACCTCAGTAAAGCAGAGCAGATTCATCAGAATTTTGTGGCTGAAAC
 AAATCAATGTATTAGTAAATTCAGGAAGATGCTGCAGTTCATCAGAATATTGTTGCTGAGACTTTAGCA
 ACCCTTGAGAGTAAGGAAAAAGAGTTACAGCTTTTGAAGAAAAATTAGAAGCTCAGCAACAGAGGTTT
 AAAAGTTAAATAAGAATAACTGTCTTCTGAAGTACTCTGAAGGAGCTACAGCTTTTATCTGACTCT
 GAGCTCAGAGAAGAAGGAAATGAATTCTATCATCTCATTAAAGTAAAAAACATTGAAGAGTTAACCCAA
 GCAAACGAGGCTCTCAAGGAAGTTAATGAGGCCCTAGAGCAGGAGAAAAATGAATTTACTCCAAAAGCATG
 AGAAGATTACAAGCTGTATAGCAGAACAAGAGAGAAGCATTGCAGAGCTGTCTGATCAGTACAAGCAAGA
 AAGACTTCAATTATTACAACGGTGTGAAGAAAACAGAAGCTGTGTTGGAAGATCTCAGGGGAAACTACAAA
 ACAGCACAAAGAAAACAATGCTAAGTTAGATGCATGCTCAGCGAGTGCAGTCTTTTGTAAAAATAGAA
 AAAATGAACTGGAGCAGTTAAAGGAAACATTTGCAAAGGAACAGCAAGAATTCTTAACAAAATTAGCTTT
 CGCTGAAGAGCAAAAACAGGAACTAATGCTAGAGTTGGAGATAGAGCAACAACTGTGAGATCCGAGATT
 ACAAACACCAACAAGCATTCCATGAGTGCAGTGTGGCTTAAGGCAAGAATGCTTGACTTTAACGAAG
 AGCAAAAATGAGCAGCAAAAACGAAGTTAGCAACTTAACACATGAGAATGAGCAACTGATGGAGTTAACACA
 GACCAACATGATTCTTATCTCGCAGTAGAGCCAGTTGAGAACTGTAAAAGCAACCGAAGATGAGATA
 GGTAAGAGTAGTCCCAGTACCAGATGGATATCGACACTAAAGACATTTCTCTAGATAGTTATAAGGCAC
 AGCTGGTACATCTAGAAGCTTTGGTAAGAATTCGGAAGTACAGCTTGACCAAGTGAGGAGGAGAACAA
 GAAGCTGCATCTGGAATTACAGACGATTAGAGAGGAGCTAGAAAACCAAGAGTTTACAGGACCCCCAGTCA
 CAGGCAAGGACTGGGCTTAAAGACTGTGACACAGCAGAAGAAAAGTATGTGTCCATGCTACAGGAGTTGT
 CAGCAAGTCAAAAACGAGAATGCACACTTACAGTGTCTCTACAGACAGCAGTGAACAACTGAATGAGCT
 AGGGAAAAATGTGTGACGATTGAGAGTTGAAAAGTTACAGCTAGAGTCTGAGCTGAATGACTCACGGACA
 GAGTGTATCACGGCAACTAGTCAGATGACGGCAGAGGTCGAGAAGCTAGTGAGTGAATGAAAATGCTAA
 ACCACGAGAGTGTCTGTCCCAGAATGAGCTGATGAAGGACACCTCAGGTGGTGAATTTTATGATAAAGC
 AAACCACAGTTCTGTGTTCTTACTCTTTGGACAGTAGCAATTTCTGTGAACAGATGACCTTGTCAAGC
 AAAGAGGTCCGAGTGCAGTTTGTGAATTAACAGGAGAAAATTCCTGTTTACAAAGTGAACACAAAATTT
 TACATGATCAGCACTGTGAGGTGAGCTCTAAGATGTCAGCACTGCGTTTCTACGTGGACACATTAAGGC
 TGAAAATTTCTGCCTTGTCAATGAGTCTGAGAACCTTGCAGGGTGAAGTTGGTAAAGGAGGGGGAGCCTGCA
 GCTGAGGGTGGGCATGGTCTGCCACTGTCGTTCTGTGGGGCAGACAGCCCGTCTCTGACAAAATTTGGAG
 AAACGTCCTTTTACAAAGACGTTTTAGAACAACTGGAGACACATGTCATCTAAGTTTAGAAGGGAAACGC
 TTCAGCAAATTTGTGACTTGGATGAAGAGTTCTCCAGCAGTCTGGAGGAGGAGACTCTGACTGAGAAG
 GAAAGCCCACCTGCCCTGGGAGGACTGTTGAGGGACTTGAAGTCTATGCCAGGTGACTTGCAGTCCC
 TCAAGAATCTAGAGGAGAAAACCTGAGAGCCAAAGGATTATGAAAATAAAGAAATGAAAAGCTTGAGCA
 GTTACTGAGTTCTGAGAGGAAAGAGCTAAGCTGCCTTAGGAAGCAGTATTTGTCAGAAAAGGAGCAATGG
 CAGCAGAAGCTAACAAAGTGCACCTTTGAAATGGAGTCCAAGTTAGCAGAGGAGAAGCAGCAGACCAAGA
 CTCTGTCCCTTGAAGTTGAGGTAGCAGACTTCAGTTACAGGAGCTGGACCTGAGCTCCAGGTCTTTGCT
 TGGCACTGACTTGGAAAGTGTGTTGCGGTGCCAAAACGATAAATATGATATAAAGAAATCAGAAGTATAT
 ATTTACAGAGACTACAGAGAAAACACCAAGCAGGACACTGACCAACTTGTGATAAAGATATTCAGCAGG

ACCTTGGTCTGGAACTTCAGTCACTGAGAGTGAGACTACCAGGCTCACAGGAGAGGGGTGTGAAGAGCA
GCCTCCGAAGACCAATTGTGAGGCACCAGCGGAGGACAAAACCCAGGACTGCTCAGAATGCATTTCTGAA
TTGTGTTCTAGTTCCAATGTTTTGGTGCCCATGGATGTTCTGGAAGATCAGGGGTCTATCCAGAATCTCC
AGTTGCAGAAAGACACCTTAAATGAGAAATTTGAGATTACTTCTGAAGTAGAGGACTGGGACAAAAAAGT
TGAAAGTTTGCTAAATGAAATTAAGGAGCAGATTCAAACCTGAGTTTACAGGAAGTACAGCTCAAGATG
AAGATTGCAACATGCATACAATTGAAAAAATAGTCAAGGACCTCAGAAAGGAAAAAGCTGACTTAAGTG
AAAAGTTGGAATCCCTTCCATGTAACCCAGGAGGTATGTCTGAGAGTAAAAAGGTCAGAAGAAGATCTTGG
TTTTAATTTAGATATGGGAGCAAATGAGTTGTTAAGTAAATCTACTAAAGATAATGCAACCAACACAGAA
GACAATTATAAGGAGAAGTTTCTTGATATGAAAAGAGAACTGACCAGAATTAAGTCTGAGAAAGCTAATA
TTGAGCATCACATCCTATCTGTGAAAACCTAAGTGTAGAGGTGTTCAAGCAGAGAAGCTCTGTTTGGAAA
AGACACTGAAAGTAAAGCAAAAGTTATTATTGACCTTAAAGAAGAACTATTTACAGTTATAAGTGAGAGA
AACAGACTTCGGGAAGAATTAGATAATGTGTCAAAAGAAAGCAAAGCACTGGATCAGATGTCTAAAAAGA
TGAAAGAGAAAAAGAGAGCTGGAGTCTACCAAAGGGAGAGCCTCCGTACATTGGGGCAGTAGAGTC
TGAGGTCAAGGACAAAGCAGATCTTATTCAGACTCTGCCTTTAATGTGGGTGAGCTAACAAAAGACAAA
GCTCATCTCCAGGAGCAGCTGCAGAATTTGCAGAATGACTCACAAGAATTAATCTTTGGCGATTGGTGAGC
TGGAAATACAAATTTGGACAACCTGAATAAAGAGAAAAGAACTCACTGGTCAAGGAGTCTCAGAACTTCCAGAT
CAAGCTGACTGAGTCAGAGTGTGAAAAGCAGACGATCTTAAGGCCTTGGAGGTGGCACTCAAGGAGAAA
GGTGAGTTTGCAGTGCAGCTGAGCTCAGCCAGGAGGAGGTGCATCAGCTGAGACGAGGCATTGAGAAA
TGAGCGTCCGCATTGAGGCCGATGAGAAGAAGCACCTCAGTGTGTGGCGAAGCTGAAAGAAAGCCAGCG
TGAAAGCGACTCATTGAGGATACAGTGGAGACTCTGGAGCGGAACTGGAGAGGTGAGAAGAAAACCAA
GAGCTGGCAATCTTGATTCTGAGAATTTGAAAGCAGAGGTGGAGACCCTTAAGGCACAAAAGGATGAAA
TGACCAAAAGCCTGAGAATTTTCGAATTAGACCTTGTACAGTTAGGACTGAAAGAGAAAATCTAGCAAA
GCAGCTACAAGAGAAAACAAGCTCGAGTGTGAGAATTAGATGAACGGTGTCTTCTTCTTGGAAAGCTTGG
GAAGAGAAAGGAGCAAGCAAGAGTACAGATGGAAGAAGACTCTAAGTCTGCAATGCTGATGCTTCAGATGC
AGTTAAAAGAAGCTCAGGGAGGAAGTGGCAGCCTTGTGTAAAGACCAAGAACTTGAAGGCCAAGAAACA
GAGTCTAGACCAACCAGGGGAGGAAGTGCATCATTGAAAAGTAGCATTGAAAAGCTCAAAGTTCACATA
GATGCTGATGAAAAGAAGCATCAAAACATCTAGAACAACTGAAGGAAAGTAAAGCACCATGCAGACTTGC
TTAAGGACCGAGTTGAGAACCTTGAACAAGAAATGATACTATCAGAGAAAAACATGATTTTCCAAGCTGA
AAAGTCCAAGCAGAGATACAGACTTTAAAATCAGAAATCAAAGAATGGCCAAAACCTCCAAGACTTG
CAGTTAGAATTTATTAGTACAAGGTGAGAAAATGAAAATCTCATGAAAGAATTAAGAAAGAGCAAGAGC
GAGTATCTGACTTAGAAAACAATAAATCTTCTATTGAAAACCTTACTGAAAGATAAAGAGCAAGAAAAGT
ACAGATGAAAGAGGAAGCCAAAATAACAGTGGAGATGCTTCAAACCTCAATTAAGGAGCTAAACGAGACA
GTGGTTTCTTGTGCAATGACCAAGAGGTCTCTAAGACCAAGAACAGAAATCTGGGTAGTCAAGTACAAA
CTCTTGAACCTTGAGAAGGCTCAGCTGCTACAGGACCTTGGTGAGGCCAAGAATAAATATATTATTTTCA
GTCATCTGTAATGCCCCTCACTCAAGAAGTAGAAGCTGGCAAACAGAACTAGAGAAGGGGGAGAAAAGAG
ATCAGGACACTGAAAGAGCAACTTAAAAGTCAAGGAGCAGCTTGTGTGTAACCTTGCCTCAAGTGAAGGAG
AGCAGCAACTCTGGCAGAAGCAGAACTAGAGCTGAGAAATGTGACTATGGCACTGGAGCAGAAGGTCCA
AGTGTGCAATCTGAAAACAACACGTTGCAGAGCACCTATGAAGCACTGCAGAATCCCACAAGAGTTTA
GAGAGTGAACCTTGATTGATAAAGTTGGAGAAAGTAGCGCTTGTGAAAGAGTTAGCACAATATCTGGGA
AGGAAGCAGAGCTGCAGAGGGAGCTGCGAGATATGCTACAGAAAACAACACAGCTGAGCGAAGACTACAA
TAAAGAGAAAAACAGGCTAACAGAGAAGTGAAGTGTGCTGCTGAAGAACTGCAGAACACCAAGCAGCG
CACCTGAAATCTGTGAATCAACTTGAGAAGGAACTTCAAGCTGCTCAGGGGAAAAAAGTTGATGCTCA
AATCCTGTAGACAGCTGGAAGGAGAAAAGGAGATGCTGCAGAAGGAGCTCTCCAGCTTGAAGCTGCACA
GCAGCAGAGAGCAGGTTCTTGTAGACAGTAACTAGATGAAGTAAAGTACTGAGAACAAAGCGCTGAAA
GAGACTCTGGAAGAAAAAGTCAAGGAAGCAGATAAGTACTTGGATAAGTACTGTTCCCTGCTGATAAGCC
ACGAGGAGCTCGAGAAAGCCAAGGAGATATTAGAAATAGAAGTTGCTCGGCTGAAGTCAAGGAGTCCAG
ACAGGATCTCCAGAGTTCTCTTTGCTTAATTTCTCCATTCAGGACCGTCTCCAATACTTCTGTTAGT
GAGATGAAGTCAAGTCTGGCCAAAATAAAGCTTCAAGGCAAGAGGCAAAGGTCCAGTGGGATTTGGGAGC
ATGGTAAACGGGCAGCACCTTCTACAGCAGAGACATTTTCTAAGAAAAGCAGGAAGTCCGGACAGTAAAG
CACTCGCCCTGCTGAGCACGAGCAGGAAACCGAGTTTGGCCAGAAAGGCCTCCAGAAAGTCTGTTAAAAA
GGGTTTGTGACATCCCAACTGGAAGACAAGCCCATATATCTTTCGGAGAAACCAATGGCAACCAGGA
CCAGCCCCGCTTTGCTACACAGAAGTTAGTGGGATCTTCCCATCTCTGGGCAAGAAAATGTTGTAGA

GTCTCCAAACCAACAGCTGGTGGCAGCAGATCACAAAAGGTCAAGGTTGTTTCAGGAGAGCTCAGCGGAT
TCACACTGCCTTCCAAGAACTCCCAGCAAATCTCTCACAGCCAGTAATATTCCTGGGAGAACTCTA
CAGAGAGCCCCAGGGAGGGCCTGAGGGCCAAGCGGGCCTACCCTGCCTCCAGCCCAGCTGCTGGGCCTGA
TCCCACGAACAACGAAAAGTCCCGGTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

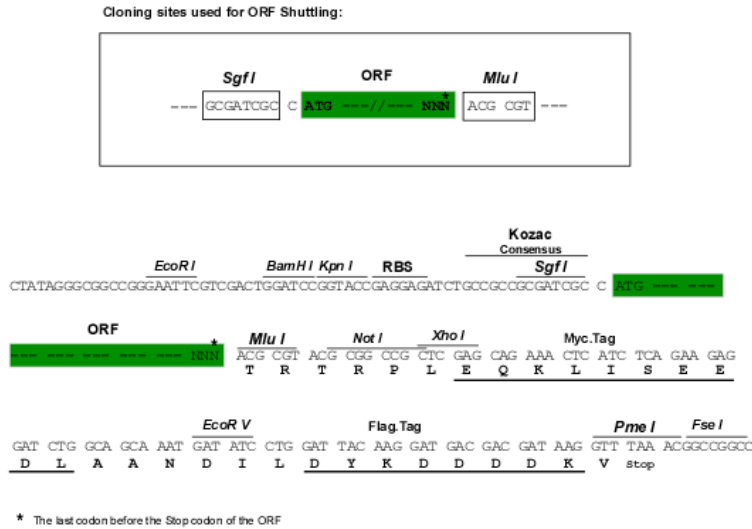
Protein Sequence: >MR221099 representing NM_001081363
 Red=Cloning site Green=Tags(s)

MSWALEEWKEGLPSRALQKIQELEGQLEKLEKKEKQQRQFQLDSLEAALQKQKQKVEDGKTEGADLKRENO
 RLMEICEHLEKSRQKLSHELQVKESQVNLQESQLSSCKKQIEKLEQELKRCKSEFERSQQVAQSADVSLN
 PCSTPQKLFATPLTPSSTYEDLKEKYNKEVEERKRLREEVVKALHAKKVSLPVSQATMNRDIARHQASS
 VFPWQQENTPSRLSSDALKTPLRRDGSAAHFLGEEVSPNKSSMKTGRGDSSLPGEPHSAQLLHQAKAQN
 QDLKSKMTELELRLQGQEKEMRSQVNCQDLQLQLEKTKVELIEKERILNKTRDEVVSTAQYDQAAAKC
 TTLEQKLTLEELSCHRONAESAKRSLEQRIKEKEKELQEELSRQHQSFOALDSEYTMKTRTLQELQQ
 VKHLHSTLQLELEKVTSVKQQLERNLEEIRLKL SRAEQALQASQVAENELRRSSEEMKKNENLSRSQSEQ
 RTREVCHLEELGKVKVSLSKSQNFAEEMKAKNTSQEIMLRDLQEKLNQQENSLTLEKLLALADLERQR
 NCSQDLLKREHHDQLNNKLNKIEKEFETLLSALELKKKECEELKEEKQISFWKIDSEKLNQIESEK
 EILLGKINHLETSLKTQQVSPDSNERIRLTEMERENFTVEIKNLQSM LDKMVEIKTQKQAYLELQQKSE
 SSDQKHQKEIENMCLKANKLTGQVESLECKLQLLSSEVVTKDQQYQDLRMEYETLRDLLKSRGSSLVN
 DNQRSSDNQRSSDNQRGSLAFEQQPAVSDSFANVMGRKGSINSERSDCSVDGGRSPEHIAILQNRVTS
 LESSLESQNMNSDLQMRCEELLQIKGEVEENLSKAEQIHQNFVAETNQCISKLQEDA AVHQNIVAEATLA
 TLESKEKELQLLEKLEAQQTEVQKLNKNCLLEGTLKELQLLSDTL SSEKEMNSIISL SKKNIEELTQ
 ANEALKEVNEALEQEKMNLQKHEKITS CIAEQERSIAELSDYKQERLQLLQRCEETEAVLEDLRGNYK
 TAQENNAKLECM LSECTALCENRKNLEQLKETF AKEQQEFLTKLAF AEEQNRKLMLELEIEQQTVRSEI
 TNTNKHSMSATDGLRQECLTLNEEQNEQQNEVSNLTHENEQLMELTQTKHDSYLAVEPVENSVKATEDEI
 GKSSSQYQMDIDTKDISLDSYKAQLVHLEALVRILEVQLDQSEENKHLHLELQTIREELETKSSQDPQS
 QARTGLKDCDTAEKYVSMQLQEL SASQENAHLCQSLQTAVNKLNELGKMCVDL RVEKLESELNDSRT
 ECITATSQMTAEVEKLVSEMKMLNHE SALSQNELMKDTS GGEFHDKANHSSVFL TPLDSSNFCEQMTLSS
 KEVVRVHF AELQEF SCLQSEHKILHDQHCEVSSKMSALRSYVDTLKAENSAL SMLRRTLQGD LVKEGEP
 AEGGHGLPLSFCGADSPSLTNFGETSFYKDVLEQTGDTCHLSLEGNASANS CDLDEEFSSSLEEETL TEK
 ESPPAPGRVTEGLEVLQVYLQSLKNLEEKTESQRIMKNKEIEKLEQLLSSERKEL SCLRKQYLSEKEQW
 QQKLT SVTLEMESKLAEEKQQT KLSLELEVARLQLQELDLSSRLLGTDLESVVRQNDNYDIKESEVY
 ISETTEKTPKQD TDQCDKDIQQDLGLET SVTSEETRLTGEGCEEQPPKTNCEAPAEDKTQDCSECI SE
 LCSSSNVLPMDVLEDQGSIQNLQLQKDTLNENLRLLPEVEDWDKVESLLNEIMEADSKLSLQEVQLKM
 KIATCIQLEKIVKDLRKEKADLSEKLES LPCNQEVCLRVERSEEDLGFNLDMGANELL SKSTKD NATNTE
 DNYKEKFLDMERELTRIKSEKANI EHHILSVETNLEVVQAEKLC LERDTE SKQKVIIDLKEELFTV I SER
 NRLREELDNVSKESKALDQMSKKMKEKIEELES HQRESLRHIGAVESEVKDADLIQTL SFNVGELTKDK
 AHLQEQLQNLQND SQELSLAIGELEIQIGQLNKEKESLVKESQNFQIKL TESECEKQTI SKALEVALKEK
 GEFVAVQLSSAQEEVHQLRRGIEKLSVRIE ADEKHL SAVAKL KESQRESDSLKDTVETLERELERSEENQ
 ELAILDSENKAEVETLKAQKDEMTKSLRIFELDLVTVRTERENLAKQLQEKQSRVSELDERCSSLRLL
 EEKEQARVQMEEDSKSAMLMLQMLKELREEVAALCNDQETLKAQEQLDQPGEEVHHLKSSIRKLVHI
 DADEKKHQNI LEQLKESKHHADLLKDRVENLEQELILSEKNMIFQAEKSKAEIQTLKSEIQRMAQNLQDL
 QLEL ISTRSENL MKELKKEQERVSDLETINSS IENLLKDKQEKEVQMKEEAKITVEMLQTLKELNET
 VVSLCNDQEVSKTKEQNLGSQVQTL ELEKAQLLQDLGEAKNKYIIFQSSVNALTQEVEAGKQKLEKGEKE
 IRTLKEQLKSQEQLVCKLAQVEGEQQLWQKQKLELRNVTMALEQKVQVLQSENNTLQSTYEAALQNSHKSL
 ESELGLIKLEKVALVERVSTISGKEAELQREL RDMLQKTTQL SEDYNKEKNRL TEEVEVLREELQNTKAA
 HLKSVNQL EKELQRAQGIKMLKSCRQLEGEKEMLQKELSQLEAAQQQRAGSLVDSNVDEVMTENKALK
 ETLEEKVKEADKYL DKYCSLLISHEELEKAKEILEIEVARLKSRSRQDLQSSPLLNSSIPGSPNTSVS
 EMKSASGQNKASGKRQRSSGIWEHGKRAAPSTAETF SKSRKSDSKSTRPAEHEQETEFEP EGPLPEVVKK
 GFADIPTGKTSPIYLRRTTMATRTSPRFATQKL VGSSPSLGKENVVESSKPTAGGSR SQVKVQESSAD
 SHTAFQELPAKSLTASNIPGRNSTESPREGLRAKRAYPASSPAAGPDPTNNENCRVQ

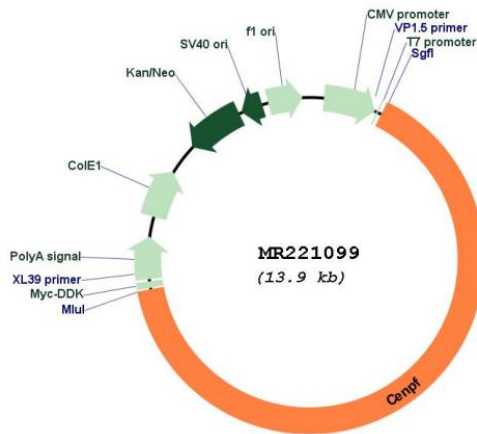
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001081363

ORF Size: 8991 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:	<u>NM_001081363.2, NP_001074832.2</u>
RefSeq Size:	11130 bp
RefSeq ORF:	8994 bp
Locus ID:	108000
Cytogenetics:	1 95.03 cM
MW:	342.5 kDa