

Product datasheet for RC215949

LAMA3 (NM_198129) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAMA3 (NM_198129) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LAMA3
Synonyms:	BM600; E170; LAMNA; LOCS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215949 representing NM_198129 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCGGCGCGCGCGGCTCGGGGTGGGCACTGGGCGGAGTACTGCCCGGACGCCGCTGCTCCTGC
TGGTACTGCGGGTGTGCCAGCCTGCGGGGCGACCCTCGGGATCCCAGGGCCGCGCGGGGCTCAGCCT
TCACCCGACTTACTTCAACCTGGCCGAGGCGGCGAGGATTTGGGCCACCGCCACCTGCGGGGAGAGGGGA
CCCGGCGAGGGGAGGCCCGAGCCTACTGCAAGTTGGTGGGGGCCCCACCGCCCAGGCAGCG
GCCACACCATCCAGGGCCAGTTCTGTGACTATTGCAATTCTGAAGACCCAGGAAAGCACATCCTGTCAC
CAATGCCATCGATGGATCTGAACGTTGGTGGCAAAGCCCTCCCCTGTCCAGGCACACAGTACAACAGA
GTCAACCTCACCTTGATCTGGGCGAGCTCTCCATGTGGCCTATATTTAATCAAATTTGCAAATCTC
CTCGCCCTGATCTTTGGGTCTTGAAAGATCTGTAGACTTTGGAAGCACCTACTCACCATGGCAATATTT
TGCTCATTTCTAAAGTAGACTGTTTAAAAGAATTTGGGCGGGAGGCAAATATGGCTGTACCCGGGATGAT
GATGACTTTGTGTTACTGAATATTTCCCGTATTGTACCTTTGAAATGGTGAGGTTGTGGTGTCTTGA
TAAACGGTCGTCAGGTGCAAAAATTTACTTTCTCTCACACCTGAGGGAGTTTACCAAGGCAACAAA
CATCCGCTTGCCTTTCTTAGAACCAATACGCTTCTGGACACCTCATCTCAAAGCCCAGCGAGATCCA
ACTGTCACTCGGCGGTATTATTACAGCATAAAGGACATCAGCATTTGGTGGCAGTGTGTTGCAATGGCC
ATGCTGAAGTGTGCAATAAACAATCCTGAAAACTGTTTCGGTGTGAATGCCAGCACCACACCTGTGG
GGAGACGTGTGATCGCTGCTGCACAGGGTACAATCAGAGGCGCTGGCGGCCCGCCGCTTGGGAGCAGAGC
CACGAGTGTGAAGCATGCAACTGCCACGGCCATGCCAGCAACTGTACTATGATCCAGATGTTGAGCGGC
AGCAGGCAAGCTTGAATACCCAGGGCATCTATGCTGGTGGAGGGGCTGCATTAAGTGCAGCACAACAC
AGCTGGAGTAACTGTGAACAGTGTGCTAAGGGCTATTACCGCCCTATGGGTTCCAGTGGATGCCCT
GATGGCTGCATCCCCTGCAGCTGTGACCCTGAGCATGCGGATGGCTGTGAACAGGGTTCAGGCCGCTGC
ACTGCAAGCCAAATTTCCAGGAGACAAGTGTGAGAAGTGTGCAATTGGATACTACAATTTCCATTTTG
CTTGAGAATCCATTTTCTGTTTCTACACCAAGTTCAGAAGATCCAGTAGCTGGAGATATAAAAGG



TGTGACTGTAATCTGGAAGGTGTTCTCCCTGAAATATGTGATGCCACGGACGGTGCCTGTGCCGCCCTG
GGGTTGAGGGCCCTCGATGTGATACCTGCCGCTCTGGTTTCTACTCATTCCCTATTTGCCAAGCCTGCTG
GTGTTACAGCCCTTGGATCCTACCAGATGCCCTGCAGCTCAGTGACTGGACAGTGTGAATGTCGGCCAGGA
GTTACAGGACAGCGGTGTGACAGGTGTCTCTCAGGAGCTTATGATTTCCCCACTGCCAAGGTTCCAGCA
GTGCTTGTGACCCAGCTGGTACCATCAACTCCAATTTGGGGATTGCCAATGCAAGCTTCATGTTGAAGG
TCCTACTTGTAGCCGCTGCAAACCTGTTATATTGGAATCTGGACAAAGAAAACCCAGTGGATGTTGAGAA
TGCAAGTCCCATAGGGCGGAACAGTGAGTGGAACTGGAGAGTGTAGGCAGGGAGATGGTGACTGTCACT
GCAAGTCCCATGTGGGTGGCGATTCTGCGACACCTGTGAAGATGGATATTTTGCTTGGAAAAGAGCAA
TTACTTTGGGTGTCAAGGTGTCAAGTGTGACATTGGTGGGGCATTGTCCTCCATGTGCAAGTGGGCCCTCG
GGAGTGTGCCAGTGCCGAGAGCATGTCGTGGGAAAGGTGTGCCAGCGGCCTGAAAACAACACTACTATTTCC
CAGATTTGCATCATATGAAGTATGAGATTGAAGACGGCAGCACACCTAATGGGAGAGACCTTCGATTTGG
ATTTGATCCGCTGGCATTCTGAGTTTGTGAGAGGATATGCCCAAATGACCTCAGTACAGAATGAT
GTAAGAATAACATTGAATGTAGGGAAGTCAAGTGGCTCCTTGTTCGTGTTATTCTGAGATACGTTAACC
CTGGAAGTGAAGCAGTATCTGGCCATATAACTATTTATCCATCCTGGGGTGTCTCAAAGCAAAGAGAT
CATCTTCTGCCGAGTAAGGAGCCAGCCTTTGTCAGTGTCCCTGGAAATGGTTTTGCAGACCCATTTTCA
ATCACACCAGGAATATGGGTTGCTTGATTAAGGCAGAAGGAGTCTTCTGGATTACCTGGTGTCTCTCC
CCAGGGACTACTATGAAGCCTCTGTACTGCAGCTGCCAGTCCACAGAACCATGTGCCTACGCAGGACCTCC
CCAAGAAAATTGCTTACTCTACCAGCATTGTCAGTGACCAGATTCCCCTGTACCCTGGCTTGTGAGGCC
AGACACTTCTGCTTGTGAGGGAGCCAAGACCCGTGGCAGTGAGGCAGCCACACCTGCACACCTGTCA
TGGTGGACCTCAGCGGGAGAGAGGTGGAATTGCATCTGCGGTGCGCATCCACAGGTTGGCCACTACGT
GGTTGTGGTGCAGTATCCACGGAGGCAGCTCAGCTGTTGTGGTTGATGTGAATGTGAAGAGCTCCGGG
TCTGTTCTGGCAGGCCAGGTGAACATTTACAGCTGCAACTACAGTGTCTCTGCCGGAGTGTGTGATTG
ATCAGATGAGCCGCATCGCCATGTATGAGCTATTGGCAGATGCAGACATTCAGCTCAAGGGACACATGGC
CCGATTCCTTCTGCATCAAGTTTGTATCATACCTATTGAAGAATTCTCAGCTGAGTATGTGAGACCACAA
GTCCACTGCATTGCCAGTTATGGGCGATTTGTCAATCAAAGTGCCACCTGTGTCTCCTTGGCCCATGAAA
CTCCTCCAACAGCATTAAATTTGGATGTTCTAAGTGGCAGGCCTTTCCCTCACCTGCCCCAGCAGTCGTC
ACCTTCTGTTGATGTTCTTCTGGGGTACCTTGAAGGCACCGCAGAATCAAGTACCCTGAGAGGACGT
GTACCACACTGGGCCGATACGTCTTTGTATCCATTTTTACCAAGCAGCGCACCCGACGTTTCCCGCGC
AGGTGTCGGTGGATGGCGGGTGGCCACGGGAGGCTCCTTCCATGCCTTTTTTGCCCCATGTGCTTGG
CTGCCGGGATCAAGTATTGCCAAGGCCAGATTGAGTTTGCATCTCAGAGCCTGAAGTGGCCGCAACT
GTGAAGGTTCCAGAAGGAAAGTCCCTGGTTTTGGTCCGTGTTCTAGTGGTGCCTGCAGAAAATATGACT
ACCAAATACTTCAAAAAAATCCATGGACAAGTCACTCGAGTTTATACCAATTGTGAAAAAACAGCTT
TTACCTTGACCCCGAGACAGCCTCCAGATTCTGTAAGAATTCCGCCAGGTCCTGGTGGCCTTTTACCAC
AAGGGCGCCTGCCTTGTGAGTGCCACCCCACTGGGGCCACCGGCCCTCACTGCAGCCCTGAGGGTGGGC
AGTGCCCATGCCAGCCCAACGTATCGGGCGCAGTGCACCCGCTGTGCAACAGGCCACTACGGATTCCC
ACGCTGCAAGCCGTGCAGCTGTGGTCCGGCCTTTGTGAAGAGATGACGGGGCAGTGCCGCTGCCCTCCC
CGCACGGTCAGGCCCCAGTGTGAGGTGTGTGAGACACACTCATTACGCTTCCACCCATGGCCGGCTGCG
AAGGCTGCAACTGTTCCAGGAGGGGCACCATCGAGGCTGCCATGCCGGAGTGTGACCGGGACAGCGGCA
GTGCAGATGCAAGCCAGAATCACAGGGCGCAGTGTGACCGATGTGCTTCCGGGTTTTACCGCTTCCCT
GAGTGTGTTCCCTGCAATTGCAACAGAGATGGGACTGAGCCAGGAGTGTGTGACCCAGGGACCGGGGCTT
GCCTCTGCAAGGAAAATGTAGAAGGCACAGAGTGAATGTGTGTCGAGAAGGCTCATTCCATTTGGACCC
AGCCAATCTCAAGGGTTGTACCAGCTGTTTCTGTTTTGGAGTAAATAATCAATGTACAGCTCACATAAG
CGAAGGACTAAGTTTGTGGATATGCTGGCTGGCACCTGGAGACAGCAGACAGAGTGGACATCCCTGTCT
CTTTCAACCCAGGCAGCAACAGTATGGTGGCGGATCTCCAGGAGCTGCCCGCAACCATCCACAGCGCTC
CTGGGTGCGACCCACCTCCTACCTGGGGACAAGGTTTCTTATATGGTGGTTACCTCACTTACCAAGCC
AAGTCTTTGGCTTGCCTGGCGACATGGTCTTCTGAAAAGAAGCCGGATGTACAGCTCACTGGTCAGC
ACATGTCCATCATCTATGAGGAGACAAACACCCACGGCCAGACCGGCTGCATCATGGACGAGTGCACGT
GGTCGAGGGAACTTACAGCATGCCAGCAGCCGTGCCCAAGTGTCTAGGGAGGAGCTGATGACAGTGTCT
TCTAGACTGGCAGATGTGCGCATCCAAGCCTCTACTTACAGAGACTCAAAGGCTCACCTGAGCGAGG
TGGGGCTAGAGGAAGCCTCTGACACAGGAAGTGGGCGCATAGCACTTGTGTGAAAATCTGTGCCTGCC
CCCTGCCACGCTGGTACTCTTGTGAGGTTGTAGCCCTGGATACTATCGGGATCATAAAGGCTTGTAT
ACCGGACGGTGTGTTCCCTGCAATTGCAACGGACATTCAAATCAATGCCAGGATGGCTCAGGCATATGTG

TTAACTGTCAGCACAACACCGCGGGAGAGCACTGTGAACGCTGCCAGGAGGGCTACTATGGCAACGCCGT
 CCACGGATCCTGCAGGGCCTGCCATGTCTCACACTAACAGCTTTGCCACTGGCTGTGTGGTGAATGGG
 GGAGACGTGCGGTGCTCCTGCAAAGCTGGGTACACAGGAACACAGTGTGAAAAGGTGTGCACCGGGATATT
 TCGGGAATCCCCAGAAATTCGGAGGTAGCTGCCAACCATGCAGTTGTAACAGCAATGGCCAGCTGGGCAG
 CTGTCTACCCCTGACTGGAGACTGCATAAACCAAGAACCCAAAGATAGCAGCCCTGCAGAAGAATGTGAT
 GATTGCGACAGCTGTGTGATGACCCTCCTGAACGACCTGGCCACCATGGGCGAGCAGCTCCGCTGGTCA
 AGTCTCAGCTGCAGGGCCTGAGTCCAGCGCAGGGCTTCTGGAGCAGATGAGGCACATGGAGACCCAGGC
 CAAGGACCTGAGGAATCAGTTGCTCAACTACCGTTCTGCCATTTCAAATCATGGATCAAAAATAGAAGGC
 CTGAAAAGAGAAGTACTGATTTGAATCAAGAATTTGAGACTTTGCAAGAAAAGGCTCAAGTAAATTC
 GAAAAGCACAACATTAACAACAATGTTAATCGGGCAACACAAAAGCGCAAAAAGAACTGGATGTGAAGAT
 TAAAAATGTATCCGGAATGTGCACATTTCTTTAAAGCAGATCTCTGGACAGATGGAGAGGGAAACAAC
 GTGCCCTCAGGTGACTTTCCAGAGAGTGGGCTGAAGCCAGCGCATGATGAGGGAAGTGCAGAACAGGA
 ACTTTGAAAAGCACCTCAGAGAAGCAGAAGCTGATAAAAGGGAGTCGAGCTCTTGCTGAACCGGATAAG
 GACCTGGCAGAAAACCCACAGGGGAGAACAAATGGGCTTGCTAACAGTATCCGGGATCTTTAAATGAA
 TACGAAGCCAAACTCAGTGACCTTCGTGCTCGGCTGCAGGAGGCAGCTGCCAAGCCAAGCAGGCAATG
 GCTTGAACCAAGAAAACGAGAGAGCTTTGGGAGCCATTAGAGACAAGTAAAGAAAATAAATTCCTGCA
 GAGTGATTTACCAAGTATCTAACCCTGCAGACTCATCTTTGTTGCAAAACCAACATTGGCTGCAGCTG
 ATGGAGAAAAGCCAGAAGGAATATGAAAAATAGCTGCCAGTTTAAATGAAGCAAGACAAGAACTAAGTG
 ACAAAGTAAAGAGAACTTTCCAGATCTGTGGCAAAACATCCCTTGTGGAGGAGGCAGAAAAGCACGCGCG
 GTCCTTACAAGAGCTGGCAAAGCAGCTGGAAGAGATCAAGAGAAAACGCCAGCGGGGATGAGCTGGTGC
 TGTGCTGTGGATGCCGCCACCGCCTACGAGAACATCCTCAATGCCATCAAAGCGGCCGAGGACGCAGCCA
 ACAGGGCTGCCAGTGCATCTGAATCTGCCCTCCAGACAGTATAAAGGAAGATCTGCCAAGAAAAGCTAA
 AACCTGAGTTCCAACAGTATAAATCTGAAATGAAAGCAAGTACACAAAAGAACTAAAGCAAGAA
 GTCAGTCCAGCTCTCAACAACCTACAGCAAAACCTGAATATTGTGACAGTTGAGAAAAGAAAGTATAGACA
 CCAATCTCACAACCTCCTCGAGATGGTCTTCATGGGATACAGAGAGGTGATATTGATGCTATGATCAGTAG
 TGCAAAGAGCATGGTCAGAAAAGGCCAACGACATCACAGATGAGGTTCTGGATGGGCTCAACCCCATCCAG
 ACAGATGTGAAAAGAATTAAGGACACCTATGGGAGGACACAGAACGAAGACTTCAAAAAGGCTCTGACTG
 ATGCAGATAAATCGTGAATAAGTTAACCAACAACTACCTGATCTTTGGCGCAAGATTGAAAGTATCAA
 CCAACAGCTGTTGCCCTTGGGAAACATCTCTGACAACATGGACAGAATACGAGAATAATCAGCAGGCC
 AGAGATGCTGCCAGTAAGTTGCTGTCCCATGAGGTTCAATGGTAAATCTGGAGTCGAAGTCCGACTGC
 CAATGACCTGGAAGATTTGAAAGGATATACATCTCTGCTTGTCTTCTCAAAGGCCCAACTCAAGAGA
 AAATGGGGTACTGAGAATATGTTTGTGATGTACCTTGGAAATAAAGATGCCTCCCGGGACTACATCGGC
 ATGGCAGTTTGGATGGCCAGCTCACCTGTGTCTACAACCTGGGGGACCGTGAGGCTGAACCTCAAGTGG
 ACCAGATCTTGACCAAGAGTGAGACTAAGGAGGCAGTTATGGATCGGGTGAATTTTCAAGAGAATTTATCA
 GTTTGAAGGCTTAATTACCAAAAGGAGCCACATCCAGTAAACCAGAAAACCCCGAGTCTATGACATG
 GATGGTAGAAATAGCAATACACTCCTTAATTTGGATCCTGAAAATGTTGTATTTTATGTTGGAGGTTACC
 CACCTGATTTTAACTTCCCAGTCGACTAAGTTTCCCTCCATACAAGGTTGATTTGAATTAGATGACCT
 CAATGAAAATGTTCTGAGCTTGTACAACCTCAAAAAACATTCAATCTCAACACAACCTGAAGTGGAGCCT
 TGTAGAAGGAGGAAGGAAGAGTCAGACAAAAATATTTTGAAGGTACGGGCTATGCTCGAGTTCCAACCT
 AACACATGCTCCCATCCCAACCTTTGGACAGACAATTCAGACCACCGTGGATAGAGGCTTGCTGTTCTT
 TGCAAAAACGGGGATCGCTTATATCTCTAAATATAGAAGATGGCAAGCTCATGGTGAGATACAAACTG
 AATTCAAGACTACAAAAGAGAGAGGAGTTGGAGACGCCATAACAACCGCAGAGACCATTGATTCAGA
 TCAAAAATGAAAACCTCAAAAAGCGTATGTGGATAAATGTGGACGTTCAAAAACACTATAATTGATGGTGA
 AGTATTTGATTTCAAGACATATTATCTGGGAGGAATCCAATTGCAATCAGGGAAAGATTTAACATTTCT
 ACGCTGCTTCCGAGGCTGCATGAAAAATTTGAAGAAAACAGTGGTGTGTTAGATTGAATGATACTG
 TGGGAGTAACCAAAAAGTCTCGGAAGACTGGAAGCTTGTGCGATCTGCCTCATTCTCCAGAGGAGGACA
 ATTGAGTTTCACTGATTTGGGCTTACCACCTACTGACCACCTCCAGGCCATTTGGATTTCAGACCTTT
 CAACCCAGTGGCATATTATTAGATCATCAGACATGGACAAGGAACCTGCAGGTCACCTCTGGAAGATGGTT
 ACATTGAATTGAGCACCAGCGATAGCGGCAGCCCAATTTTAAATCTCCACAGACGTATATGGATGGTTT
 ACTGCATTATGTATCTGTAATAAGCGCAACTCTGGACTACGGCTTCTCATCGATGACCAGCTTCTGAGA
 AATAGCAAAAAGGCTAAAACATTTCAAGTTCCCGGCAGTCTCTGCGTCTGGGCGGGAGCAATTTGAGG
 GTTGATTAGCAATGTTTTGTCCAGAGGTTATCACTGAGTCTGAAGTCTAGATTTGACCAGTAACTC

TCTCAAGAGAGATGTGTCCCTGGGAGGCTGCAGTTAAACAAACCACCTTTTCTAATGTTGCTTAAAGGT
TCTACCAGGTTTAAACAAGACCAAGACTTTTCGTATCAACCAGCTGTTGCAGGACACACCAGTGGCCTCCC
CAAGGAGCGTGAAGGTGTGGCAAGATGCTTGTCAACCCTTCCAAGACCCAGGCCAATCATGGAGCCCT
CCAGTTTGGGGACATTCCACCAGCCACTTGTATTCAAGCTTCTCAGGAGCTGCTGAAACCCAGGTCA
CAGTTTGTCTGGACATGCAGACAACATCTCCAGAGGACTGGTGTTCACACGGGCACTAAGAATCCT
TTATGGCTCTTTATCTTCAAAGGACGCTGGTCTTTGCACTGGGACAGATGGGAAAAATGAGGAT
CAAAAGCAAGGAAATGCAATGATGGAAATGGCACACCGTGGTGTGGCCATGATGGGAAAAAGGGG
CGCTTGGTTGTGGATGGACTGAGGGCCCGGAGGGAAGTTTGCCTGGAACTCCACCATCAGCATCAGAG
CGCCAGTTTACCTGGGATCACCTCCATCAGGAAACAAAGAGCCTCCCCACAAACAGCTTTGTGGGATG
CCTGAAGAACTTTCAGCTGGATTCAAACCCCTGTATACCCCTTCTTCAAGCTTCGGGGTGTCTTCTGC
TTGGGTGGTCTTTGGAGAAAGGCATTTATTTCTCTGAAGAAGGAGGTGATGTCGTCTTGGCTCACTCTG
TATTGTTGGGGCCAGAATTAAGCTTGTTCAGCATCCGCCAAGAAGTCTCACTGGGATCCTAATACA
CATCGAAGTCAAGCCGGGAAGCACTTATGTGTTACCTGGAGGCAGGAAAGTCAAGCCCTATGGAC
AGTGGGCAGGTGGACCTCAACGTCGGTACACCAAAGCAGTCTCTGTGTGATGGACAGTGGCACTCGG
TGGCAGTACCATAAAACAACACATCTGCACCTGGAAGTGGACACAGACAGTAGCTACACAGCTGGACA
GATCCCTTCCCACCTGCCAGCACTCAAGAGCCACTACACCTTGAGGTGCTCCAGCCAATTTGACGACA
CTGAGGATCCCTGTGTGGAAATCATTCTTTGGCTGTCTGAGGAATATTATGTAATCACATCCCTGTCC
CTGTCACTGAAGCCTTGGAAAGTCCAGGGCCTGTCACTGTAATGGTTGTCTGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

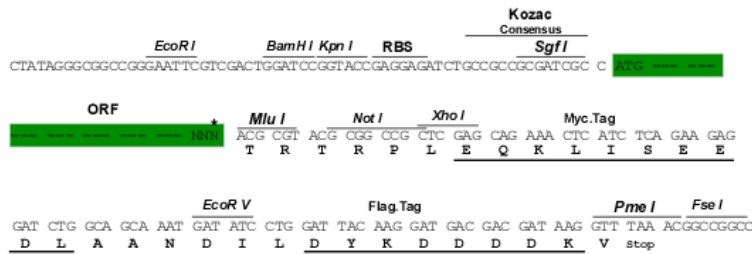
>RC215949 representing NM_198129
Red=Cloning site Green=Tags(s)

MAAAARPRGRALGPVLPPTPLLLLVLRLVPACGATARDPGAAAGLSLHPTYFNLAEAARIWATATCGERG
PGEGRPQPELYCKLVGGPTAPGSGHTIQGQFCDYCNSEDPRKAHPVTNAIDGSERWWQSPPLSSGTQYNR
VNLTLDLGQLFHVAYILIKFANSRPPDLWVLSVDFGSTYSPWQYFAHSKVDCLKEFGREANMAVTRDD
DVLVCTVEYSRIVPLENGEVVSLINRPGAKNFTFSHTLREFTKATNIRLRLRNTLLGHLISKAQRDP
VTTRYYYSIKDISIGGQCVCNGHAEVNNPEKFRCECQHHTCGETCDRCCTGYNQRRWRPAWEQS
HECEACNCHGHASNCYDPPDVERQASLNTQGIYAGGGVCINQCQHNTAGVNCQCAKGYRYPYGVVDAP
DGCIPCSDEPHADGCEQSGRCHCKPNFHGDNCEKCAIGYNNFPFLRIPFPVSTPSSDPVAGDIK
CDCNLEGLVPEICDAHGRCLCRPGVEGPRCDTCRSGFYSPICQACWCSALGSYQMPSSVTGQCECRPG
VTGQRCDRCLSGAYDFPHCQGSACDPAGTINSNLGYCQCKLHVEGPTCSRKLLYWNLDKENPSGCSE
CKCHKAGTVSGTGEQRQGDGCHCKSHVGGSDCTCEDGYFALEKSNYFGCQGCQDGGALSSMCSGPS
GVCQCREHVVGKVCQRPENNYFPDLHMKYEIEDGSTPNRDLRFDFPLAFPEFSWRGYAQMSTVQND
VRITLNVGKSSGSLFRVILRYVNPGEAVSGHITIPYSWGAAQSKEIIFLPSKEPAFVTVPGNGFADPFS
ITPGIWWACIKAEGVLLDYLVLPRDYEASVLQLPVTEPCAYAGPPQENCLLYQHLPVTRFPCTLACEA
RHFLLDGEPVAVRQPTPAHPVMVDSLGREVELHLRLRIPQVGHYVVVVEYSTEAAQLFVVDVNVKSSG
SVLAGQVNIYSCNYSVLCRSVIDHMSRIAMYELLADADIQLKGHMARFLLHQVCIPIIEEFSAEYVRPQ
VHCIASYGRFVNQSATCVSLAHEPTPTALILDVLSGRPFPHLPQSSPSVDVLPVTLKAPQNQVTLRGR
VPHLGRYVFIHFYQAAHPTFPAQVSDGGWPRAGSFHASFPHVLGCRDQVIAEQIEFDISEPEVAAT
VKVPEGKSLVLRVLPVPAENYDQILHKKSMDSLEFITNCGKNSFYLDPQTASRFCKNSARSLVAFYH
KGALPCECHPTGATGPHCSPEGGQCPCQPNVIGRQCTRCATGHYGFPRCKPCSCGRRLCEEMTGQCRCPP
RTVVRPQCEVCEHSFSFHPMAGCEGCNCSRRGTIEAAMPECDRDSGQCRCKPRITGRQCDRCASGFYRFP
ECVPCNCRDGTGTEPGVCDPGTGACLCKENVEGTECNVCREGFSHLDPANLKGCTSCFCFVNNQCHSSHK
RRTKFDVMDLGWHLETADRVDIPVSNPGNSMVADLQELPATIHSASWVAPT SYLGDKVVSYGGYLYTQA
KSFGLPGDMVLLLEKPKDVQLTGQHMSIIYEE TNTPRPDRLLHHGRVHVVEGNFRHASSRAPVSREELMTVL
SRLADVRIQGLYFTETQRLTSEVGLLEEASDTGSGRIALAVEICACPPAYAGDSCQGCSPGYRDHKG
TGRVCVPCNNGHSNQCDGSGICVNCQHNTAGEHCERCQEGYGNVHVGSCRACPCPHTNSFATGCVVNG
GDVRCCKAGYTGTCERCAPGYFGNPQKFGGSCQPCSCNSNGQLGSCHPLTGDCINQEPKDSSPAEECD
DCDSCVMTLLNDLATMGEQLRLVKSQQLSASAGLLEQMRHMETQAKDLRNQLLNYSASINHGSKIEG
LERELTDLNQEFETLQEKAVNSRKAQTLNNNVNRRATQSAKELDVKIKNVIRNVHILLKQISGTDGEGNN

VPSGDFSREWAEAQRMRELNRNFGKHLREAEADKRESQLLLNRIRTWQKTHQGENNGLANSIRDLSLE
 YEAKLSDLRARLQEAQAQKQANGLNQENERALGAIQRQVKEINLSQDFTKYLTTADSSLLQTNIALQL
 MEKSQKEYEKLAASLNEARQELSDKVRELSRSAGKTSLSVEAEKHARSLQELAKQLEEIKRNASGDLEVR
 CAVDAATAYENILNAIKAADAANRAASASESALQTVIKEDLPRKAKTSSNSDKLLNEAKMTQKKLKQE
 VSPALNNLQQTNLNIVTVQKEVIDTNLTTLRDGLHGIQRGDIAMISSAKSMVRKANDITDEVLDGLNPIQ
 TDVERIKDTYGRTQNEDEFKKALTDADNSVNKLTKLPDLWRKIESINQQLPLGNI SDNMDRIREL IQQA
 RDAASKVAVPMRFNGKSGVEVRLPNDLEDLKGYSLSLFLQRPNSRENGGTENMFVMYLGNKDASRDYIG
 MAVVDGQLTCVYNLGDREAEQVDQILTKSETKEAVMDRVKFQRIYQFARLNYTKGATSSKPEPGVYDM
 DGRNSNTLLNLDPENVVYVGGYPPDFKLP SRLFPPYKGCIELDDL NENVLSL YNFKKTFLNLTTEVEP
 CRRRKEESDKNYFEGTGYARVPTQPHAPIPTFGQTIQTTVDRGLLFFAENGDRFISLNIEDGKLMVRYKL
 NSELPKERVGDAINNGRDHSIQIKIGKLQKRMWINVDVQNTIIDGEVDFSTYYLGGIPIAIRERFNIS
 TPAFRGCMKNLKKTSGVVRLNDTVGVTKKCSVDWKL VRSASF SRGGQLSFTDLGLPPTDHLQASFGFQTF
 QPSGILLDHQTWRNLQVTLEDGYIELSTSDSGSPIFKSPQTYMDGLLHYVSVISDNLGRLRIDDQLLR
 NSKRLKHISSSRQSLRLGGSNFEGCISNVFVQRLSLSPEVLDLTSNSLKRVDVSLGGCSLNKPPFLMLLK
 STRFNKTKTFRINQLLQDTPVASPRSVKVVWDACSPLPKTQANHGALQFGDIPTSHLLFKLPQELLPKRS
 QFVDMQTTSSRGLVFHTGTKNSFMALYLSKGRLVFALGTDGKKLRIKSKEKCNKGKWHVTVFVGHGKEG
 RLVVDGLRAREGSLPGNSTISIRAPVYLGSPSPGKPKSLPTNSFVGLKKNFQLDSKPLYTPSSSFVGVSS
 LGGPLEKGIYFSEEGHVLLAHSVLLGPEFKLVFSIRPRSLTGILIHIGSQPGKHLVYLEAGKVTASMD
 SGAGGTSTSVTPKQSLCDGQWHSVAVTIKQHILHLELDTSSYTAGQIPFPASTQEPLHLGGAPANLTT
 LRIPVWKSFFGCLRNIHVNHIPVPVTEALEVQGPVSLNGCPDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV**Restriction Sites:****Sgfl-MluI****Cloning Scheme:**

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_198129

ORF Size:

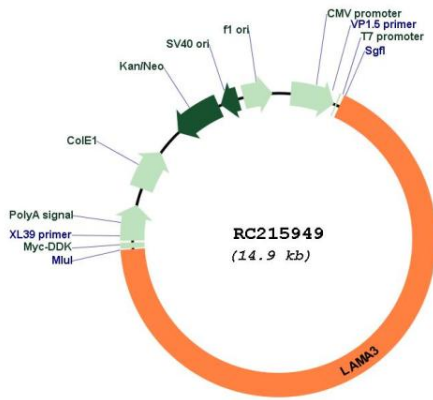
9999 bp

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_198129.1 , NP_937762.1
RefSeq Size:	10511 bp
RefSeq ORF:	10002 bp
Locus ID:	3909
UniProt ID:	Q16787
Cytogenetics:	18q11.2
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer
MW:	366.5 kDa
Gene Summary:	<p>The protein encoded by this gene belongs to the laminin family of secreted molecules. Laminins are heterotrimeric molecules that consist of alpha, beta, and gamma subunits that assemble through a coiled-coil domain. Laminins are essential for formation and function of the basement membrane and have additional functions in regulating cell migration and mechanical signal transduction. This gene encodes an alpha subunit and is responsive to several epithelial-mesenchymal regulators including keratinocyte growth factor, epidermal growth factor and insulin-like growth factor. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa and laryngoonychocutaneous syndrome. Alternative splicing and alternative promoter usage result in multiple transcript variants. [provided by RefSeq, Dec 2014]</p>

Product images:



Circular map for RC215949