

Product datasheet for MC225434

Nbea (NM_030595) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nbea (NM_030595) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nbea
Synonyms:	Lyst2; mKIAA1544
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225434 representing NM_030595 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGCGACAAGCCGGGCCGGGGCTCGAGCCGACCCGTCGCGCTCCTGGCCGTCGGGGCCGGCG
GCGGTGCAGGCGCGGAGGCGCCATGGGGAGCCTCGGGGGCGCCGGCTCCGGCCGGTGGTGTCTGCC
GGCGGGCATGATCAACCTTCGGTGCCGATCCGCAACATCCGTATGAAATTCGCCGTTCTGATCGGACTC
ATACAGGTCGGCGAGGTCAGCAACAGGGACATCGTGGAGACCGTCTCAACCTGCTGTTGGTGGGGAAT
TTGATTTGGAGATGAACTTTATTATCCAGGATGCTGAGAGCATAACATGTATGACAGAGCTTTTGGAGCA
CTGTGATGTGACATGCCAAGCAGAAATATGGAGCATGTTTACAGCCATCCTACGGAAGAGTGTTCGGAAT
TTACAGACCAGCAGAGAAGTGGGGCTAATTGAGCAAGTGTGCTGAAAATGAGTGCAGTAGATGACATGA
TAGCAGATCTTCTAGTGGATATGCTGGGAGTCTGGCAAGCTACAGCATTACTGTCAAGGAGCTAAAAGCT
TTTATTCAGCATGCTTCGAGGAGAAAGTGAATCTGGCCAAGGCATGCAGTAAAATTTATCAGTTCTT
AATCAGATGCCACAAAGACATGGTCTGATACATTTTCAATTTTCTGGGTGAGTGTCTGCGGCAATTG
CATTGCCCTCCATTGCAAAGTGGCCTTATCAGAATGGCTCACTCTCAACACTTGGTTTCGAATGGATCC
ATTAATAACATTAATGTTGATAAAGATAAACCTTATCTGTATTGTTTTGCTACTAGCAAAGGAGTGGGC
TACTCTGCTCATTTTGTGGCAACTGTTTGATAGTCACATCTCTGAAGTCCAAAGGAAAAGTTCAGC
ACTGTGTGAAGTATGATTTCCAGCCTCGCAAGTGGTACATGATCAGCATCGTCCACATCTACAATCGATG
GAGGAACAGTGAGATCCGTTGTTATGTTAATGGCCAGCTGGTATCCTATGGTGACATGGCTTGGCATGTT
AACACAAATGATAGTATGACAAGTCTTTCTGGATCTTCAGAACTGCTGATGCCAATAGGGTGTCT
GTGGCCAGCTTGGGGCTGTGTATGTGTTCAAGTCTTAACCCAGCACAGATATTTGCAGTTTCATCA
ATTAGGACCTGGTTATAAGAGTACCTTCAAGTTAAGTCTGAGAGTGATATTCATTTGCCAGAATCAC
AAACAGGTTCTGTATGATGGGAAGCTTCCAGTAGTATTGCCTTTTCTACAACGCCAAGGCCACCGATG
CTCAGCTTTGTCTGGAGTCTCACAAAAGAAAATGCATCCATCTTTGTGCACTCCACATGCAGTGTAT
GCTCCAGGATGTGAAAGCTATAGTAACACATTCATTCATAGTGAATCCATTCAATTGGAGGGATTCAA
GTACTTTTCCACTTTTTGCCAGCTGGACAATCGGCAGCTTAATGACAGTCAAGTAGAAACAAGTCTCT



[View online »](#)

GTGCTACTCTTTTGGCATTCTGGTTGAACTACTTAAAAGTTCAGTAGCCATGCAAGAACAGATGCTGGG
 CCGAAAAGGCTTTTTAGTCATTGGCTACTTACTTGAAAAGTCATCAAGAGTTCATATAACTAGAGCTGTC
 TTGGAGCAGTTTTTATCATTGCAAAAACCTCGATGGCTTATCTCATGGAGCCCCATTGCTGAAGCAGC
 TTTGTGACCACATTTTGTCAATCCCGCCATCTGGATACACACACCTGCAAAGGTTCAACTTTCCCTATA
 TACTTACTTGTCTGCTGAGTTCATTGGAAGTCTACCCTATACCACCATACGCAGAGTTGGGACAGTA
 TTGCAGCTCATGCACACATTAATAATTACTACTGGGTTATTAACCCTGCTGACAGCAGTGGCATTGCAC
 CTAAGAGACTAGATGGTCCCCGGCCATCACAAAAGAAATCATATCACTTCGGGTTTTATGCTGCTTTTT
 TCTGAAAACAGCTCATATTAAGGATCGAGGTGTGAAAGAAGATGAACTTCAGAGTATATTAATTTTA
 CTTACAATGCATGAGGATGAAAAATTCATGATGTCTTACAGTTGTTAGTGGCTCTAATGTCAGAACC
 CAGCCTCAATGATACCAGCATTGATCAAAGAAATGGAATAAGGGTGATCTACAAATTTAGGCTCTAA
 AAGTGAAGTATCTGGTCCAAGCGCTGAAAGTCTGGGATATTTTTGAAGCATTTAGGTCATAAGCGA
 AAGGTTGAAATTATGCATACCCATAGTCTTCTACTCTTCTGGAGAAAGGCTGATGCTGCATACAAACA
 CTGTGACTGTCACTACATACAACACACTTATGAGATCTTGACAGAGCAAGTCTGACTCAAGTTGTGCA
 TAAACCACACCCGGAGCCAGACTCCACAGTCAAAATCCAGAATCCAATGATTTAAGGTGGTGGCAACT
 TTGTTAAGAAGTCAACACCAAGTGCAGAATTGATGGAAGTCCGTCGGCTTTTTATCCGACATGATTA
 AGCTTTTCAGTAACAGCCGTGAAAAATAGAAGATGCTTACTGCAATGTTCAAGTGTGGCAGGACTGGATGTT
 TTCTCTGGCTATATCAATCCAAAAAGTCTGAGGAACAGAAGATTACTGAGATGGTCTACAACATTTTC
 CGGATCTTTTGTATCATGCAATAAAAATGAATGGGGAGGCTGGAGAGTCTGGGTGGACACACTCTCAA
 TAGCCCATTTCAAGGTTACTTACGAAGCACACAAAGAGTACCTGGCCAAAATGTATGAGGAGTACCAGCG
 ACAAGAGGAGGAGAACATTAAGAAAGGAAAGAAAGGAAATGTGAGCACCATCTCTGGTCTCTCATCACAG
 ACAGCAGGAGCAAAAGGAGGAATGGAATCCGGGAGATAGAAGACCTTTCCCAAAGCCAGAGCCAGAGA
 GTGAGACAGACTACCCAGTCAACACAGATACACGAGACTTGCTCATGTCAACCAAGTATCAGATGATAT
 TCTTGGAAAGTTCAGATAGGCCTGGCAGTGGAGTGCACGTAGAAGTGCATGATCTTCTAGTTGACATAAAA
 GCAGAGAAAGTGAAGCCACAGAAGTAAAGCTTGATGATATGGACTTGTACCAGAGACATTGGTGGGTG
 GAGAGAATGGTGCCTTGTGGAAGTGGAGTCTTGTGGATAATGTGTATAGTGTGCTGTAGAGAAACT
 CCAGAACAATGTGCATGGAAGTGTGGGTATCATTAAAAAAACGAAGAGAAAGACAACGGCCCGTTGATC
 ACGCTAGCAGATGAGAAGGAGGAGCTTCCAAACAGTAGCACACCTTCTCTTTGATAAAAATACCCAGAC
 AGGAAGAGAAATTACTTCCAGAACTTTCTAGCAATCACATCATCCAAATATTCCAGGATACCCAAGTACA
 TCTTGGTGTCAAGTATGATCTTGGGTTGCTTGTGCTCACATGACTGCGAGTGTAGAGTTAACGTGCACATCA
 AGCATAATGGAAGAGAAAGACTTCAGAATTCATACGACGTGAGTGGAGTGAAGTGTCTCTGAACGAG
 AGTTAGCATCGTCAACTAAGGGTTAGACTATGCGGAAATGACTGCCACAACCTTTGAAACAGAGTCTTC
 CAATAGCAAAGCTGTACCAATGTTGATGCAGGAAGTATAATTTAGACACTGAGCGATCTGATGATGGC
 AAAGAATCGGAAAGGAAATCCGAAAAATCCAGACCCTGCTACAACACAAGCTGTCCAGGGCCGGTCTT
 CCACCCAGCAAGACCCGAGATCTCAGAGTCGATTTAGGATTCGAGGGATGCCAATGACTGAGGAACAGCG
 GCGCCAGTTCAGCCCTGGCCCCGGACCACCATGTTTCGGATCCCTGAGTTTAAGTGGTCTCCGATGCAC
 CAGAGACTGCTCACTGATCTGTTGTTGTCATTAGAGACAGATGTGCATGTGTGGAGAAGCCATTCTACAA
 AGTCTGTAATGGATTTTGTCAACAGCAATGAAAACATTATTTGTACATAACACAATTCACCTCATTTTC
 CCAATGGTAGACAACATCATCATTGCCTGTGGAGGAATTTACCTTTGCTCTCAGCAGCTACATCGCCA
 ACTGGTTCTAAGACTGAATTGGAAAACATTGAAGTGACACAAGGCATGTCAGCAGAGACAGCAGTACGCT
 TTCTCAGCCGACTCATGGCAATGGTTGATGTCTTGTGTTTGGCAGCTCTCTAAATTTTGTGAGATTGA
 AGCTGAAAAAACATGTCTCTGGAGGGCTAATGAGACAGTGCCTGCGGCTAGTTTGTGTGATGCTGTG
 AGAAACTGTTTAGAATGCCGACAGAGACAGAGAGACAGGGGAAGCAAATCTTCCACGGAAGCAGCAAAC
 CTCAGGAAGCTCCCACAGTGTGACTGCCGCATCCGCATCCAAGACTCCTTTAGAAAACGTTCCAGGTAA
 CCTTTCTCCCATCAAGGATCCCGATAGGCTTCTCAGGATGTTGATATCAATCGCCTTCGTGCTGTTGTC
 TTTTCGAGATGTGGATGATAGCAAGCAGGCACAATTCTTAGCCCTGGCTGTTGTTTACTTTATTTCTGTT
 TGATGGTATCGAAGTATCGGGACATATTAGAACCCAGAGAGAGACTGCAAGAAGTGAAGCCAACCAGG
 TAGAAATATCAGACAAGAAATAAATTCACCAACTAGTACAGTTGGTGCATACCCTATCCCTCATCCA
 AGTTTGAACCATGGACTCCTTGCCAAGCTGATGCCTGAGCAGAGTTTTGCCCACTCATTTTATAAGAAA
 CACCTGCTACATTTCCAGACACTGTAAAGGAGAAGGAAACACCAACCCCTGGTGAAGATATTCAGCTAGA
 AAGTTCAGTTCCTCACACAGATTCGGAAATGGGAGAGGAGCAAGTAGCTAGCATCCTGGATGGGGCAGAG
 CTGGAGCTGCTGAGGTCCTGATGCAATGAGTGAACCTTTATCCACTTTGTCATCAGAAGTAAAGAAAT
 CACAGGAGAGCTTAAGTGAACATCCAGTGAATGCTGAAGCCTGCACCGTCCATATCTAGCATTAGTCA

AACCAAAGGTATTAATGTGAAGGAGATACTAAAAAGTCTTGTGGCTGCCCCAGTTGAGATTGCTGAGTGT
 GGCCCTGAGCCTATTCCATACCCAGATCCGGCACTGAAGAGAGAAGCACACGCTATTCTTCTATGCAGT
 TCCATTCTTTGACAGGAGTGTGGTGGTACCTGTAAAGAAGCCGCTCCAGGTAGTCTAGCTGTCACCAC
 GGTGGGAGCCACTGCTGCAGGAAGTGGGCTGCCAACAGGCAGCACCTCAAGTATATTTGCTGCCCTGGA
 GCTACACCAAAAAGTATGATTAACACGACAGGTGCTGTGGATTGAGGGTCTCTCTCTCTCTCTCTCT
 CTAGTTTTGTAAATGGTGTACCAGCAAAAATCTCCAGCTGTACAAACCGTAGCCCCAATGCCAGAAGA
 TTCAGCTGAGAACATGAGCATCACTGCAAAAATGAAAGAGCTTAGAAAAAGTTGCTCTCTCTCTCTCT
 GAAATTTTTGTAGACTTTGCCCATTCCTATCTGTACACTTCTGGGCAGTCATGGACAAGAGCTATTGA
 TAGAAGGCCTTGTGTATGAAGTCCAGCACATCCGTGGTGGAGCTAGTCATGCTGCTTTGCTCTCAGGA
 ATGGCAGAACTCTATCCAGAAGAATGCAGGCCTTGCATTTATTGAACTCATCAATGAAGGAAGTTGTTG
 TGCCATGCTATGAAGGACCACATAGTCCGTGTTGCAAAAGAAGCTGAGTTTATTTTGAACAGACAGAGAG
 CAGAGGATGTACATAAGCATGCAGAGTTTGTGTCAGTGTGCACAGTATGCTGCTGACAGGAGAGAGGA
 GGAGAAGATGTGTACCACCTCATCAGTGTGCCAAGCACGGGACCAGTGCAGCCAACCAGCTGAAA
 CAGAAGATCCTCAACATCTCACCAACAAGCATGGCGCTGGGGGGCCGTGCACACAGTCAATTGCATG
 ACTTCTGGCGCTGGATTACTGGGAGGATGATCTTCGTGAAGGAGAAGATTTGTTGCAAAATGCCTTTGG
 CTCTACACACGCTGAAGCACTGCTCAAACTGCAAGTAGAGTATGGCACTGAAGAAGATGTGGTGAAGTCC
 AAGAAAGCTTTCAGAAGCCAAGCGATTGTGAACCAGAACTCAGAGACTGAGCTGATGCTGGAAGGAGATG
 ATGATGCCGTGAGCCTGCTCCAGGAGAAAAGAAATTGACAACCTTGACGGCCCTGTGGTTCTCAGCACCCC
 TGCCAGCTCATTGCTCTGTGGTGGTGGCCAAAGGAACCCTCTCCATCACTACAACAGAAAATCTACTTC
 GAGGTAGATGAGGATGATGCTGCCTTCAAGAAGATCGACACAAAAGTTCTTGATACACTGAGGGACTTC
 ATGGGAAATGGATGTTTCAAGTGTGAGTTCGAGTGTCTTTTCCAGACGGTACCTTCTGCAGAACACTGCGT
 GGAAGTGTTCATGGCGAACCGAACCTCTGTGATGTTTAAATTTCTGACCAAGCAACAGTTAAAAAGTT
 GTCTACAGCTTGCCTCGGGTGGAGTGGGACAGCTATGGTTTCCACAAGCCAGGAGGATCACTGG
 CCATCTCGACAGCTGTATAAGTCTTCCAATATGACTCAGCGCTGGCAAAGAAGGAAATCTCCAACCT
 TGAGTATTTGATGTTTCTCAACACGATAGCAGGTGGGACGTATAATGATCTGAACCAGTATCCTGTGTT
 CCATGGGTGTTAACAACATATGAATCAGAGGAGTTGGACCTGACTCTCCAGGAAACTTCAGGGATCTGT
 CAAAGCCAATTGGTGCTTTGAACCCGAAGAGAGCAGTGTTTTACGCAGAGCGCTATGAGACATGGGAGGA
 GGATCAAAGCCCACCCTTCCACTACAACACACATTACTCAACGGCGACTTCGGCCTGTCATGGCTGTT
 CGGATTGAGCCATTACAACCTTCTTCTCAATGCAAAATGATGGGAAATTTGACCATCCAGACCGAACCT
 TCTCATCCATTGCAAGGTCATGGAGAACCAGTCAGAGAGATACATCCGATGTCAAGGAACATAATCCAGA
 GTTCTACTACCTACCAGAGATGTTTGTCAACAGCAATGGGTACCATCTTGGAGTGAGGGAGGACGAAGT
 GTGGTTAATGATGTGACCTGCCCCCTGGGCCAAGAAGCCAGAAGACTTTGTGCGGATCAACAGGATGG
 CCCTGAAAGTGAATTTGTTTCTTGCCAACTCCATCAATGGATTGACCTTATATTTGGCTACAAACAGCG
 AGGGCCAGAGGCAGTCCGTGCTCTCAATGTTTTCCACTACTTGACCTACGAAGGCTCTGTAAACCTGGAC
 AGCATCACAGACCCTGTGCTCCGGGAGGCCATGGAAGCACAGATACAGAACTTTGGACAGACGCCATCTC
 AGTTGCTCATTGAGCCGCATCCGCCTAGGAGTTCAGCCATGCATCTGTGTTTCTTCCACAGAGCCCACT
 CATGTTCAAAGATCAGATGCAGCAGGATGTGATCATGGTGTGAGTTTCCATCCAATTTCTCTGTGACT
 CATGTGGCTGCCAACACCCTGCCACCTGACCATCCCTGCAGTGGTGCAGTGACCTGCAGCCGACTGT
 TTGCAGTGAACAGATGGCACAACACAGTCGGCCTCAGAGGAGCCCGGATACTCTTGGATCAAGCACA
 CCATCTTCCATTGAGATGGACCCATTAATCGCAAATAACTCTGGTGTGAACAAGCGGCAGATCACAGAC
 CTGTAGACCAGAGCATCCAGATCAATGCCACTGCTTCTGGTGCAGCTGATAATCGCTACATCTCTCA
 TCTGTGGGTTTTGGGATAAAAGTTTTCAGAGTTTACTCGACAGAAACAGGGAAACTGACACAGATTGTATT
 TGGCCACTGGGATGTTGTACATGCCTGGCCAGGTGGAGTCTACATTGGTGGAGACTGCTACATAGTG
 TCTGGATCTCGGACGCCACCTTGCTTCTCTGGTACTGGAGTGGGCGTACCACATCATCGGAGACAACC
 CCAATAGCAGTGACTATCTGCGCCAGAGCTGTCTCACAGGCCATGACCATGAAGTTGTCTGTGTCTC
 CGTCTGTGCAGAACTCGACTCGTTATCAGTGGTGTAAAGAGGGCCCTTGCTCGTTCATACCATCACT
 GGAGATCTGCTGAGGGCCCTGGAAGGACCAGAAAAGTCTTATTTCCACGCCTAATTTCCGTATCCAGTG
 AAGGCCACTGCATCATATATTATGAGCGAGGACGGTTTAGCAACTTCAGCATCAATGGGAAACTTTTGGC
 TCAAATGGAGATCAATGATTCCACTAGGGCTATTCTCTGAGCAGCGATGGACAGAACCTGGTACTGGA
 GGGGACAATGGTGTGGTGGAGGTCTGGCAGGCCTGTGACTTTAAGCAGCTGTACATTTACCAGGATGTG
 ATGCTGGCATTAGAGCGATGGATTTATCCCATGACCAAAGGACTCTGATCACTGGCATGGCTTCCGGCAG
 CATTGTAGCTTTAATATAGATTTAATCGGTGGCATTATGAGCATCAGAACAGGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_030595

Insert Size: 8811 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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_030595.1](#), [NP_085098.1](#)

RefSeq Size: 10998 bp

RefSeq ORF: 8811 bp

Locus ID: 26422

UniProt ID: [Q9EPN1](#)

Cytogenetics: 3 26.61 cM

Gene Summary: Binds to type II regulatory subunits of protein kinase A and anchors/targets them to the membrane. May anchor the kinase to cytoskeletal and/or organelle-associated proteins. May have a role in membrane trafficking.[UniProtKB/Swiss-Prot Function]