OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN205833

Erbb2 (NM_017003) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erbb2 (NM_017003) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Erbb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205833 representing NM_017003 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCATCATGGAGCTGGCGGCCTGGTGCCGCTGGGGGTTCCTCCTCGCCCTCCTGCCCCCCGGAATCG
CGGGCACCCAAGTGTGTACCGGCACAGACATGAAGTTGCGGCTCCCTGCCAGTCCTGAGACCCACCTGGA
CATGCTCCGCCACCTGTACCAGGGCTGTCAGGTAGTGCAGGGCAACTTGGAGCTTACCTACGTGCCTGCC
AATGCCAGCCTCTCATTCCTGCAGGACATCCAGGAAGTTCAGGGTTACATGCTCATCGCTCACAACCAGG
TGAAGCGCGTCCCACTGCAAAGGCTGCGCATCGTGAGAGGGACCCAGCTCTTTGAGGACAAGTATGCCCT
GGCTGTGCTAGACAACCGAGATCCTCAGGACAATGTCGCCGCCTCCACCCCAGGCAGAACCCCAGAGGGG
CTGCGGGAGCTGCAGCTTCGAAGTCTCACAGAGATCCTGAAGGGAGGAGTTTTGATCCGTGGGAACCCTC
AGCTCTGCTACCAGGACATGGTTTTGTGGAAGGACGTCTTCCGCAAGAATAACCAACTGGCTCCTGTCGA
TATAGACACCAATCGTTCCCGGGCCTGTCCACCTTGTGCCCCCGCCTGCAAAGACAATCACTGTTGGGGT
GAGAGTCCGGAAGACTGTCAGATCTTGACTGGCACCATCTGTACCAGTGGTTGTGCCCGGTGCAAGGGCC
GGCTGCCCACTGACTGCTGCCATGAGCAGTGTGCCGCAGGCTGCACGGGCCCCAAGCATTCTGACTGCCT
GGCCTGCCTCCACTTCAATCATAGTGGTATCTGTGAGCTGCACTGCCCAGCCCTCGTCACCTACAACACA
GACACCTTTGAGTCCATGCACAACCCTGAGGGTCGCTACACCTTTGGTGCCAGCTGCGTGACCACCTGCC
CCTACAACTACCTGTCTACGGAAGTGGGATCCTGCACTCTGGTGTGTCCCCCGAATAACCAAGAGGTCAC
AGCTGAGGACGGAACACAGCGTTGTGAGAAATGCAGCAAGCCCTGTGCTCGAGTGTGCTATGGTCTGGGC
ATGGAGCACCTTCGAGGGGCGAGGGCCATCACCAGTGACAATGTCCAGGAGTTTGATGGCTGCAAGAAGA
TCTTTGGGAGCCTGGCATTTTTGCCGGAGAGCTTTGATGGGGACCCCTCCTCCGGCATTGCTCCGCTGAG
GCCTGAGCAGCTCCAAGTGTTCGAAACCCTGGAGGAGATCACAGGTTACCTGTACATCTCAGCATGGCCA
GACAGTCTCCGTGACCTCAGTGTCTTCCAGAACCTTCGAATCATTCGGGGACGGATTCTCCACGATGGCG
CGTACTCATTGACACTGCAAGGCCTGGGGATCCACTCGCTGGGGCTGCGCTCACTGCGGGAGCTGGGCAG
TGGATTGGCTCTGATTCACCGCAACGCCCATCTCTGCTTTGTACACACTGTACCTTGGGACCAGCTCTTC
CGGAACCCACATCAGGCCCTGCTCCACAGTGGGAACCGGCCGGAAGAGGATTGTGGTCTCGAGGGCTTGG
TCTGTAACTCACTGTGTGCCCACGGGCACTGCTGGGGGCCAGGGCCCACCCAGTGTGTCAACTGCAGTCA

View online »

TTTCCTTCGGGGCCAGGAGTGTGTGGAGGAGTGCCGAGTATGGAAGGGGCTCCCCCGGGAGTATGTGAGT
GACAAGCGCTGTCTGCCGTGTCACCCCGAGTGTCAGCCTCAAAACAGCTCAGAGACCTGCTTTGGATCGG
AGGCTGATCAGTGTGCAGCCTGCGCCCACTACAAGGACTCGTCCTCCTGTGTGGCTCGCTGCCCCAGTGG
TGTGAAACCGGACCTCTCCTACATGCCCATCTGGAAGTACCCGGATGAGGAGGGCATATGCCAGCCGTGC
CCCATCAACTGCACCCACTCCTGTGTGGATCTGGATGAACGAGGCTGCCCAGCAGAGCAGAGAGCCAGCC
CGGTGACATTCATCATTGCAACTGTAGTGGGCGTCCTGCTGTTCCTGATCTTAGTGGTGGTCGTTGGAAT
CCTAATCAAACGAAGGAGACAGAAGATCCGGAAGTATACGATGCGTAGGCTGCTGCAGGAAACTGAGTTA
GTGGAGCCGCTGACGCCCAGCGGAGCAATGCCCAACCAGGCTCAGATGCGGATCCTAAAAGAGACGGAGC
TAAGGAAGGTGAAGGTGCTTGGATCAGGAGCTTTTGGCACTGTCTACAAGGGCATCTGGATCCCAGATGG
GGAGAATGTGAAAATCCCCGTGGCTATCAAGGTGTTGAGAGAAAACACATCTCCTAAAGCCAACAAAGAA
ATTCTAGATGAAGCGTATGTGATGGCTGGTGTGGGTTCTCCGTATGTGTCCCGCCTCCTGGGCATCTGCC
TGACATCCACAGTACAGCTGGTGACACAGCTTATGCCCTACGGCTGCCTTCTGGACCATGTCCGAGAACA
CCGAGGTCGCCTAGGCTCCCAGGACCTGCTCAACTGGTGTGTTCAGATTGCCAAGGGGATGAGCTACCTG
GAGGACGTGCGGCTTGTACACAGGGACCTGGCTGCCCGGAATGTGCTAGTCAAGAGTCCCAACCACGTCA
AGATTACAGATTTCGGGCTGGCTCGGCTGCTGGACATTGATGAGACAGAGTACCATGCAGATGGGGGCAA
GGTGCCCATCAAATGGATGGCATTGGAATCTATTCTCAGACGCCGGTTCACCCATCAGAGTGATGTGTGG
AGCTATGGAGTGACTGTGTGGGAGCTGATGACTTTTGGGGCCAAACCTTACGATGGAATCCCAGCCCGGG
AGATCCCTGATTTGCTGGAGAAGGGAGAACGCCTACCTCAGCCTCCAATCTGCACCATTGATGTCTACAT
GATTATGGTCAAATGTTGGATGATTGACTCTGAATGTCGCCCGAGATTCCGGGAGTTGGTGTCAGAATTT
TCACGTATGGCGAGGGACCCCCAGCGTTTTGTGGTCATCCAGAACGAGGACTTGGGCCCATCCAGCCCCA
TGGACAGTACCTTCTACCGTTCACTGCTGGAAGATGATGACATGGGTGACCTGGTAGACGCTGAAGAGTA
TCTGGTGCCCCAGCAGGGATTCTTCTCCCCGGACCCTACCCCAGGCACTGGGAGCACAGCCCATAGAAGG
CACCGCAGCTCGTCCACCAGGAGTGGAGGTGGTGAGCTGACACTGGGCCTGGAGCCCTCGGAAGAAGGGC
CCCCCAGATCTCCACTGGCTCCCTCGGAAGGGGCTGGCTCCGATGTGTTTGATGGTGACCTGGCAATGGG
GGTAACCAAAGGGCTGCAGAGCCTCTCTCCACATGACCTCAGCCCTCTACAGCGGTACAGCGAGGACCCC
ACATTACCTCTGCCCCCCGAGACTGATGGCTATGTTGCTCCCCTGGCCTGCAGCCCCCAGCCCGAGTATG
TGAACCAATCAGAGGTTCAGCCTCAGCCTCCTTTAACCCCAGAGGGTCCTCTGCCTCCTGTCCGGCCTGC
TGGTGCTACTCTAGAAAGACCCAAGACTCTCTCTCCTGGGAAGAATGGGGTTGTCAAAGACGTTTTTGCC
TTCGGGGGTGCTGTGGAGAACCCTGAATACTTAGTACCGAGAGAAGGCACTGCCTCTCCGCCCCACCCTT
CTCCTGCCTTCAGCCCAGCCTTTGACAACCTCTATTACTGGGACCAGAACTCATCGGAGCAGGGGCCTCC
ACCAAGTAACTTTGAAGGGACCCCCACTGCAGAGAACCCTGAGTACCTAGGCCTGGATGTACCTGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1611_f04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017003

Insert Size: 3780 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_017003.2, NP_058699.2
RefSeq Size:	4727 bp
RefSeq ORF:	3780 bp
Locus ID:	24337
Cytogenetics:	10q31
Gene Summary:	may play a role in cell proliferation and differentiation [RGD, Feb 2006]