

Product datasheet for **MC229545**

Erbin (NM_001289474) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erbin (NM_001289474) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erbin
Synonyms: 1700028E05Rik; Erbb2ip; mKIAA1225
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229545 representing NM_001289474
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTACAAAACGAAGTTTGTGGTTCGCGTTGGTACCATGTCGCTGTCTACGAGGAGAAGAGGAGACAG
 TCACTACTCTAGATTATCTCATTGCAGCTTGGAAACAAGTCCCAAAGAGATTTTCACCTTTGAAAAAC
 TTTAGAGGAGCTCTATTTAGATGCTAATCAGATTGAAGAGCTTCAAAGCACTTTTAAATTGTCAGTCT
 CTACATAAACTAAGTTTGCAGACAATGATTTAACAACATTACCAGCCTCCATTGCAAACTTTATTAATC
 TCAGGGAACTGGATGTCAGCAAAAATGGAATACAAGAATTTCCAGAAAATATTAATAAATTGTAAAGTTT
 GACAATTGTGGAGGCTAGTGTGAACCTATTTCTAAGCTCCCTGATGGGTTTTCTCAGCTGCTAAACCTA
 ACCCAGTTATATCTGAATGATGCTTTCCTTGAATCTTACCAGCTAATTTGGCAGATTAACATAACTCC
 AGATTCTAGAAGTTAGAGAAAACAGTTGAAAATGTTGCCTAAAACCATGAATAGACTGACCCAGCTGGA
 AAGGCTGGATTTGGGAAGTAATGAATTCACAGAAGTGCCTGAAGTACTTGAACAATAAGTGGATTGAGA
 GAGTTTGGATGGATGGCAATAGACTGACTTTTATCCAGGTTTATTGGTAGTTGAGACAGCTCACGT
 ACTTGGATGTTTCTAAAAATAATTGAAATGGTTGAAGAAGGAATTTCAACATGTGAAAACTCCAGGA
 CTTTCTTATCAAGTAATTCCTTCAGCAGCTGCCGAAACTATTGGTTCATTGAAAAATGTCACAACT
 CTAATAAATTGATGAAAACCAATTAATGTATCTACCAGACTCAATAGGAGGGTTAAGGTCAATAGAAGAAC
 TGGATTGCAGTTTCAATGAAATGAAGCTTTCCTTCAATTGGCCAGCTCACAAACATGAGAACATT
 TGCTGCAGATCACAATTACTTACAACAGCTACCCAGAGATTGGAACTGGAAAAATATAACTGTGCTG
 TTTCTCCATTGTAATAAACTAGAGACGCTTCCAGAGGAAATGGGTGATATGCAAAAATTAAGTGCATCA
 ATTTAAGTGATAATAGGTTAAAGAAATTTGCCTTTAGCTTTACAAAGCTACAACAGTTGACTGCTATGTG
 GCTGTCAGATAATCAGTCCAACCTCTGATACCTTCAAAAAGAAACAGACACAGAGACTCAGAAAATG
 GTGCTTACTAATTACATGTTCCCTCAGCAGCCACGGACTGAAGACGTTATGTTTCATATCAGATAATGAAA
 GTTTTAATCCTGCATTGTGGGAAGAACAGAGAAAACAGCGGGCTCAAGTGGCATTGGAATGTGATGAAGA
 CAAAGATGAAAGAGAGGCCACCCAGGGAGGAACTTAAAGAGATATCCAACCCATACCCAGATGAG
 CTTAAGAATATGGTCAAGACTGTTCAAACCATTGTACATAGATTAAGATGAAGAGACTAATGAAGAGT



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CTGGGAGAGATTTGAAGCAGCATGAAGATCAGCAAGTTGTAATAAGGATAAGTGTGTGAAGACTTCAGA
 AAGTACTACAACAAAAGCAAACCTTGATGAAAGAGAAAAGTATATGAATTCTGTACAGAAAATGAGTGAG
 CCTGAAGCTGAGACCAATGGTGGAAATTTGCCAGTAACTGCAAGTATGAAGTTGTCTGGAAACCTGAAGC
 ATATTGTTAACCATGATGATGTTTTGGAGAACTCTGAAGAAGTTCTTCTGTATGAAGAAATGAAAATGGC
 AGAGATGCGACCTCCATTAATTGAATCCTCGATTAATCAGCCAAAGTTGTAGCATTAGTAATAATAAA
 AAGGATGATGCGAAGGATGCAGACTCTTATCCGATGAAGTACACACAACAGTAATCAGAATAACAGCA
 ACTGTTCTTCTCCGTCCCGAATGTCTGATTTCAGTGTCTCTTAATACTGACAGCAGTCAAGACACGCTCACT
 CTGTTCTCCCGTGAAACAGACTCCCGTGGATAGTAACTCAAAGTCAGACAAGAAGATGAAAATTTTAAAC
 AGCCTTTTACAAAATGGAGTTAATTTAAACAATTCACCAGAGGAAAAATTCAAAATTAATGATAAAAAGG
 ATTTTAAAGTTACCTGAGTATGATTTGAATATTGAAGAACAGTTAGTTCTGATTGAAAAAGACATTGATTC
 AAAAGCCACATCTGATGACTCTCGCCAGTTAGACCATATCAACATGAATATTAATAAACTTGTGACCAAT
 AATATTTTTCAACCAGAAGTAATGGAAAGATCAAAGATGCAGGATATAGTACTTGGAACAGGCTTTTTAA
 GTATTCATCTAAAATGAGGCTGAGCACATAGAAAATGGGGCTAAGTTTCCGAATTTGGAGTCCATAAA
 TAAGGTAATGGTCTTTGTGAGGACACTGCACCGTCTCCTGGTAGGGTTGAACCACAGAAGGCCAGTTCT
 TCTGCTGACGTGGGCATTTCTAAAAGCACGGAAGATCTATCTCCTCAGAGAAGTGGTCCAACCTGGAGCTG
 TTGTGAAATCTCATAGTATAACTAACATGGAGACTGGAGGTTTAAAAATCTATGACATTCTTGGTATGA
 TGGCCCTCAGCCGCAAGTGCAGCAGTTAAAATCGCATCTGCTGTGGATGGGAAGAACATAGTCAGAAGC
 AAGTCTGCCACACTGCTGTATGATCAGCCCTGCAGGTGTTCACTGCTGCCTCCTCATCTTCTGAGTTAC
 TGTCAAGTACAAAGGCAGTTTTCAAGTTTGATTCAAAATCACAACCTGAAGAGCCAGATATAATAAGAGC
 TGCCACAGTATCTGGCCACAGTCTACACCTCACCTGTATGGTCCCCACAATATAATGTCCAGTACAGT
 GGCAGTGTACAGTGAAGACACCTTGTGGCACCTAACAGAATCCACAATAGATCCTGTCAAGTTTCT
 CTCCTCAGCGCCTTCCAAGATCTGAGAGTGCAGAAAATCAGATTATGCAAAGCATTCTGCCAACATGAA
 TTTCTTAACCAACAATGTTAGAGCCAATCTGGATACCACTTACAACAGAGACTTGGCCAGCCAGG
 CATGGAGAAAATGTGGGCTATCTCCCGAATGACCGACTAGTGCCAGCAGTCACTCGGACTACTATTCAGA
 GACAGAGTAGCGTGTCTTCAACGGCTTCTGTAATCTCGGTGACCCACAAAGCGTACTGAAGGAGATTA
 CTTATCGTACAGAGAGTTACATTCAATGGGAAGAACTCCAGTCATGTCAAGGATCACAGAGACCTCTTTCT
 GCACGAGCGTACAGCATCGATGGCCAAAATACATCCAGGCCTCAGAGTGGCCGTCCTCTATTAATGAAA
 TACCAGAGAGAACTATGTCAGTTAGTGATTTCAATTACTCACGGACTAGTCTTCAAAAAGACCAAAATAC
 AAGGGTCGGGTCTGAACATTCTCTGTTAGATCTCCAGGAAAAAGCAAGGTTCTCATGACTGGCGGGAA
 CAAGTACTACGACACATTGAGGCCAAAAGTTAGAAAAGATTGAGTAAGAGTAGAAAAGGATCCAGAAC
 TTGGATTTAGCATATCAGGAGGTGTCGGCGGCAGAGGAAACCCTTTCAGACCTGATGATGATGATGATATT
 TGTAAACAAGGTTACAACCTGAAGGACCAGCATCAAATTACTACAGCCAGGAGATAAAATATTCCAGGCT
 AATGGCTACAGTTTTATCAACATTGAACATGGGCAAGCGGTGTCCTTGTAAAAACTTTCCATAATGCAG
 TAGATCTCATATTGTACGAGAAGTTTCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001289474
- Insert Size:** 3885 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001289474.1, NP_001276403.1</u>
RefSeq Size:	6206 bp
RefSeq ORF:	3885 bp
Locus ID:	59079
UniProt ID:	<u>Q80TH2</u>
Cytogenetics:	13 D1
Gene Summary:	<p>Acts as an adapter for the receptor ERBB2, in epithelia. By binding the unphosphorylated ERBB2 'Tyr-1248' receptor, it may contribute to stabilize this unphosphorylated state (By similarity). Inhibits NOD2-dependent NF-kappa-B signaling and proinflammatory cytokine secretion (PubMed:16203728).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks three in-frame exons in the 3' coding region, compared to variant 1, and encodes a shorter protein (isoform 4), compared to isoform 1.</p>