

Product datasheet for **MC229583**

Erbin (NM_001289475) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erbin (NM_001289475) 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: >MC229583 representing NM_001289475
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTACAAAACGAAGTTTGTGGTTCGCGTTGGTACCATGTCGCTGTCTACGAGGAGAAGAGGAGACAG
 TCACTACTCTAGATTATCTCATTGCAGCTTGGAAACAAGTCCCAAAGAGATTTTCACCTTTGAAAAAC
 TTTAGAGGAGCTCTATTTAGATGCTAATCAGATTGAAGAGCTTCAAAGCAACTTTTAAATTGTCAGTCT
 CTACATAAACTAAGTTTGCAGACAATGATTTAAACAACATTACCAGCCTCCATTGCAAATCTTATTAATC
 TCAGGGAAGTGGATGTCAGCAAAAATGGAATACAAGAATTTCCAGAAAATATTAATAAATTGTAAAGTTT
 GACAATTGTGGAGGCTAGTGTGAACCTATTTCTAAGCTCCCTGATGGGTTTTCTCAGCTGCTAAACCTA
 ACCCAGTTATATCTGAATGATGCTTTTCCTTGAATCTTACCAGCTAATTTGGCAGATTAACATAACTCC
 AGATTCTAGAAGTCTAGAGAAAACAGTTGAAAATGTTGCCTAAAACCATGAATAGACTGACCCAGCTGGA
 AAGGCTGGATTTGGGAAGTAATGAATTCACAGAAGTGCCTGAAGTACTTGAACAACATAAGTGGATTGAGA
 GAGTTTGGATGGATGGCAATAGACTGACTTTTATCCAGGTTTATTGGTAGTTGAGACAGCTCACGT
 ACTTGGATGTTTCTAAAAATAATTGAAATGGTTGAAGAAGGAATTTCAACATGTGAAAACTCCAGGA
 CTTTCTTATCAAGTAATTCCTTCAGCAGCTGCCGAAACTATTGGTTCATTGAAAAATGTCACAAC
 CTAATAAATTGATGAAAACCAATTAATGTATCTACCAGACTCAATAGGAGGGTTAAGGTCAATAGAAGAAC
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 ATTTAAGTGATAATAGGTTAAAGAAATTTGCCTTTTAGCTTTACAAAGCTACAACAGTTGACTGCTATGTG
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 CAAAGATGAAAGAGAGGCCACCACCCAGGGAGGAACTTAAAGAGATATCCAACCCATACCCAGATGAG
 CTTAAGAATATGGTCAAGACTGTTCAAACCATTGTACATAGATTAAGATGAAGAGACTAATGAAGAGT



CTGGGAGAGATTTGAAGCAGCATGAAGATCAGCAAGTTGTAATAAGGATAAGTGTGTGAAGACTTCAGA
 AAGTACTACAACAAAAGCAAACCTTGATGAAAGAGAAAAGTATATGAATTCTGTACAGAAAATGAGTGA
 CCTGAAGCTGAGACCAATGGTGGAAATTTGCCAGTAACTGCAAGTATGAAGTTGTCTGGAAACCTGAAGC
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 AGAGATGCGACCTCCATTAATGAATCCTCGATTAATCAGCCAAAGTTGTAGCATTAGTAATAATAAA
 AAGGATGATGCGAAGGATGCAGACTCTTATCCGATGAAGTACACACAACAGTAATCAGAATAACAGCA
 ACTGTTCTCCCGTCCCGAATGTCTGATTGATGTCAGTGTCTTAATACTGACAGCAGTCAAGACACGTCAT
 CTGTTCTCCCGTGAACAGACTCCCGTGGATAGTAACTCAAAGTCAGACAAGAAGATGAAAATTTAAC
 AGCCTTTTACAAAATGGAGTTAATTTAAACAATTCACCAGAGGAAAAATTCAAAATTAATGATAAAAAGG
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 AAAAGCCACATCTGATGACTCTCGCCAGTTAGACCATATCAACATGAATATTAATAAACTTGTGACCAAT
 AATATTTTTCAACCAGAAGTAATGGAAAGATCAAAGATGCAGGATATAGTACTTGGAACAGGCTTTTTAA
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 AAGTCTGCCACACTGCTGTATGATCAGCCCTGCAGGTGTTCACTGCTGCCTCCTCATCTTCTGAGTTAC
 TGTGAGGTACAAAGGCAGTTTTCAAGTTTGATTCAAAATCACACCCTGAAGAGCCAGATATAATAAGAGC
 TGCCACAGTATCTGGCCACAGTCTACACCTCACCTGTATGGTCCCCACAATATAATGTCCAGTACAGT
 GGCAGTGTACAGTGAAGACACCTTGTGGCACCTAACAGAATCCACAATAGATCCTGTGAGTTTTCT
 CTCCTCAGCGCCTTCAAGATCTGAGAGTGCAGAAAATCACAGTTATGCAAAGCATTCTGCCAACATGAA
 TTTCTTAACCAACAATGTTAGAGCCAATCTGGATACCACTTACAACAGAGACTTGGCCAGCCAGG
 CATGGAGAAAATGTGGGCTATCTCCCGAATGACCGACTAGTGCCAGCAGTCACTCGGACTACTTTCAGA
 GACAGAGTAGCGTGTCTTCAACGGCTTCTGTAATCTCGGTGACCCCAAGGCGTACTGAAGGAGATTA
 CTTATCGTACAGAGAGTTACATTCAATGGGAAGAACTCCAGTCATGTGAGGATCAGAGAGACCTCTTTCT
 GCACGAGCGTACAGCATCGATGGCCAAAATACATCCAGGCCTCAGAGTGGCCGTCCTCTATTAATGAAA
 TACCAGAGAGAACTATGTCAGTTAGTGATTTCAATTACTCACGGACTAGTCTTCAAAAAGACCAATAC
 AAGGGTCGGGTCTGAACATTCTGTAGATCCTCCAGGAAAAAGCAAGGTTCTCATGACTGGCGGGAA
 CAAGTACTACGACACATTGAGGCCAAAAGTTAGAAAAGAGTATGCTGTCAAGGTCCTTTAATCCAATC
 TTAAGTGTGTAAGCAGTTCTCACTATGGCAGCTCTAGGGATCTGCATGGCAGCCAGGGCAGCCTTGGCCCT
 GAGTGTTCAGACGGAAGAGGTTCTGGTGGGCACATTTTTGCAATGCCTTTGAGTAATGGACAAATGGGC
 CAGCCTCTCAGGCCTCAGGCACATTATAGTCAAACCCATCACCCCTCAGGCATCTGTGGCAAGGCATC
 CCTCTAGAGAACAATAATTGATATTTGATGCTGAAAGTGGCCACCAGCCTCCATATACACATCCCCA
 TTGTTCTCCTAGACAAGGCCATGAAGTGGCAAAGCAAGAGATTCGAGTAAGAGTAGAAAAGGATCCAGAA
 CTTGGATTTAGCATATCAGGAGGTGTCGGCGGCAGAGGAAACCCCTTTCAGACCTGATGATGATGGTATAT
 TTGTAACAAGGGTACAACCTGAAGGACCAGCATCAAAATTACTACAGCCAGGAGATAAAATTTATTCAGGC
 TAATGGCTACAGTTTTATCAACATTGAACATGGGCAAGCGGTGTCCTTGTAAAAACTTTCCATAATGCA
 GTAGATCTCATCATTGTACGAGAAGTTTCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001289475

Insert Size:

4236 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_001289475.1</u> , <u>NP_001276404.1</u>
RefSeq Size:	6557 bp
RefSeq ORF:	4236 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 (5) lacks an in-frame exon in the 3' coding region, compared to variant 1, and encodes a shorter protein (isoform 5), compared to isoform 1.</p>