

Product datasheet for **MC224486**

Erbin (NM_001005868) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erbin (NM_001005868) 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: >MC224486 representing NM_001005868
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTACAAAACGAAGTTTGTGGTTCGCGTTGGTACCATGTCGCTGTCTACGAGGAGAAGAGGAGACAG
TCACTACTCTAGATTATTCTCATTGCAGCTTGGAAACAAGTCCCAAAGAGATTTTCACCTTTGAAAAAC
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CTACATAAACTAAGTTTGCAGACAATGATTTAACAACATTACCAGCCTCCATTGCAAATCTTATTAATC
TCAGGGAAGTGGATGTCAGCAAAAATGGAATACAAGAATTTCCAGAAAATATTAATAAATTGTAAAGTTT
GACAATTGTGGAGGCTAGTGTGAACCTATTTCTAAGCTCCCTGATGGGTTTTCTCAGCTGCTAAACCTA
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GAGTTTGGATGGATGGCAATAGACTGACTTTTATCCAGGTTTATTGGTAGTTGAGACAGCTCACGT
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CTAAAAATTGATGAAAACCAATTAATGTATCTACCAGACTCAATAGGAGGGTTAAGGTCAATAGAAGAAC
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CTGGGAGAGATTTGAAGCAGCATGAAGATCAGCAAGTTGTAATAAGGATAAGTGTGTGAAGACTTCAGA
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 AAGTCTGCCACACTGCTGTATGATCAGCCCTGCAGGTGTTCACTGCTGCCTCCTCATCTTCTGAGTTAC
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 TGCCACAGTATCTGGCCACAGTCTACACCTCACCTGTATGGTCCCCACAATATAATGTCCAGTACAGT
 GGCAGTGTACAGTGAAGACACCTTGTGGCACCTAACAGAATCCACAATAGATCCTGTCAAGTTTCT
 CTCCTCAGCGCCTTCAAGATCTGAGAGTGCAGAAAATCACAGTTATGCAAAGCATTCTGCCAACATGAA
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 GACAGAGTAGCGTGTCTTCAACGGCTTCTGTAATCTCGGTGACCCACAAAGGCGTACTGAAGGAGATTA
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 AAGGGTCGGGTCTGAACATTCTCTGTTAGATCCTCCAGGAAAAAGCAAGGTTCTCATGACTGGCGGGAA
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 TTATAGTCAAACCCATCACCCCTCAGGCATCTGTGGCAAGGCATCCCTCTAGAGAACAATAATTGAT
 TATTTGATGCTGAAAAGTGGCCACCAGCCTCCATATACACATCCCATTGTTCTCCTAGACAAGGCCATG
 AACTGGCAAAGCAAGAGATTCGAGTAAGAGTAGAAAAGGATCCAGAAGTGGATTTAGCATATCAGGAGG
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 GGACCAGCATCAAATTAATACTACAGCCAGGAGATAAAATTAATTCAGGCTAATGGCTACAGTTTTATCAACA
 TTGAACATGGGCAAGCGGTGCTTGTAAAAACTTTCCATAATGCAGTAGATCTCATATTGTACGAGAGA
 AGTTTTCTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001005868
Insert Size: 4353 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:	<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_001005868.2</u> , <u>NP_001005868.1</u>
RefSeq Size:	6674 bp
RefSeq ORF:	4353 bp
Locus ID:	59079
UniProt ID:	<u>Q80TH2</u>
Cytogenetics:	13 D1
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).