

Product datasheet for **RN209370**

Ern2 (NM_001108919) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ern2 (NM_001108919) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ern2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN209370 representing NM_001108919

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGAGACCAGTCCAGAGTTTCCAAGTGTGGTCTGCCCTCGGGTTCTGCTGCAGCTTGAATCTTTCT
TGGGAAACTCGGTCCACAGGTCCAATCCGTCAGGCCAGAGACCTTCTGTTTGTCTCTACCTTGGATGG
AAGTCTCCATGCACTGAACAAGCAGACAGGGGACTTGAAGTGGACAGTGAAGGATGACCCCATCATCCAG
GGACCAATGTATGTCACAGAAATGGCCTTCTCTCTGACCCAGCTGATGGCAGCCTGTACATCTTGGGAA
CCCAGAAACAACAGGGGCTGATGAAACTGCCATTTACCATCCCAGAGCTGGTTCACGCCTCTCCTTGTCTG
CAGCTCTGATGGTGTCTTCTACACGGGCCGGAAGCAGGATGCCTGGTTTGTGGTGGACCTGAGTCAGGG
GAGACTCAGATGACACTGACCACAGAGGGCTTTTCTACTCCTCAACTCTACATTGGCCGGACACAGTACA
CAGTCTCCATGCATGACCCACGGACCCCAACCCTGCGCTGGAACACAACCTACCGCCGCTACTCTGCGCC
CCCCGTGGACGGCTCACCTGGGAAATACATGAGCCACTTGACATCCTGTGGGATGGCCCTGCTTCTCACT
GTGGATCCAGGAAGTGGAACTGTGCTGTGGACACAGGACCTGGGAGTGCCTGTGACAGGGATCTACACAT
GGCATCAGGATGGTCTGCGACAGCTGCCCATCTTACCCTGGCTCGGGACACCCTACATTTCTTGTCTCT
CCGCTGGGGCCACATCCGTCTTCTCTGCCTCCAGCTCCCAGGACACAGTACCCAGTTCTTCTCTTAGAC
ACCGAACTTTTGTGACTGTATGTGGGGAAAGAAGCTGGTTTCTATGTCTCTAAAGCACTGGTCC
ATGCTGGGGTGGCCCTTGTGCCCGTGGACTGACCCTGGCACCCATGGATGGCCCCACAACAGATGAGGT
AACAGTTCAAGTCTCGGGGGAGCGAGAGGGCTCACCCAGCACTGCTGTGAGATACCCCTCGGGCAGCGTG
GCCCTTCCAGCCAGTGGCTACTCATTGGATACCATGAACCTCCCCTGTCTGACACACCACCATGCTAA
GGTTTACAGCTACCCAGGAAAGGGTCTGCTGACACAAGAGACTCAGACGACCTCCATGCTCCAGCTCT
CTCCTTTGAGTTCTAAACCTGAAGAGGGAGGAACCTTGGGATCCAGAACTACATCCTGAAGAGAAAGCT
GACACTTATCCAGGGCTAGGATCCCAAGACCTGTAGCAGCTAGCTTCACTGCCATTCTCTTGGGAGCCT
GGTCTCTACCTGATGAGGCAGCAGCAGAGTCTTTCAGCACCTGCAGGCCCTTTCAGACCTCCACACA
AGACACTCAGGTGCAGCTCTCAAGGGACACCCTACAGAACCAGAGGAGATTTCAAAGCCCCCAGAGCCA
GTCCAGCCAGCCATGATCCTGAAGCAGAGCAGCCACTGTAGTGGGAAGATTTCTTCAAACCCCAAGG
ATGTGCTGGGCCGTGGGGCAGGAGGAACTTTTGTTTTCCGAGGACAGTTTGGGGACGGCAGTAGCTGT
GAAGAGGCTCCTCCGAGAGTGTTCAGCTTGGTTCAGCGAGAGGTGCAGCTGCTGCAAGAGTCTGACAGG
CACCCCAATGTGCTGCGCTACTTCTGCACGGAGCAGGGCCCCAGTTCCACTACATTGCCTTGGAACTCT
GCCAGGCCTCCTTGAAGAGTATGTGGAGAGCCAGACCTAGACCCTGGGGCCTTGGGCCTACCATGGT
GCTGCAACAGATGATGTCCGGCCTGGCCACCTGCATTCTTTACACATAGTACACCGTGACCTCAAGCCG
GGCAACATTCTCATGGCTGGGCCTGACAGCCAGGGCCAAGGCAGAGTGGTCATCTCTGACTTCGGCCTCT
GCAAGAAGTTACCTGCTGGCCGTGTAGCTTCACTCTCCATTCTGGTATTTCCCGGCACAGAAGGCTGGAT
GGCTCCAGAGCTACTGCAACTGCCCCAGACAGCCCGACCAGCGCGGTGGATATCTTCTCTGAGGCTGT
GTGTTTTATTATGTGCTTCTGGTGGCAGCCACCCTTCGGAGAGAGTCTCTACCGCCAGGCCAACATCC
TCTCAGGGGACCACTGTCTGGCTCAACTGCAGGAAGAGACCCATGACAAGGTTGTGGCACTGGACTTAGT
GAAAGCCATGCTGAGCCTGCTGCCCCAGGATCGTCCCTCAGCAGGATGGGTGCTGGCTCACCCCTCTTT
TGGAGCAGAGCTAAGGAACTCCAGTCTTCCAGGATGTCAGTACTGGTTGGAGAAGGAACCAGAGCAGG
GACCTCTCGTGACGGCGCTGGAGGCAGGAAGCTACAAGGTGGTCCGGGAAAAGTGTACAAGCACATCTC
AGCACCTCTGCAGGAAGACCTGAAAAGGTTCCGGTCATATAAAGGGACATCAGTGCAGAGCCTGCTCCGT
GCCATGAGGAACAAGAAGCACCCTACAGGGAGCTCCCAACCGAGGTGCGCCAGACACTGGGCCAACTTC
CTGCTGGCTTCGCCCAATACTTACACAGCGCTTTCCAGGCTGCTACTGCACACTACCGTGCCATGAG
GACCTGTGCTTCTGAGAGCCTCTTCTGCCCTACTATCCAGCAGCATTGGAAGCCAGGGGCTCCTGCCAG
GTGCCACAAGAGCGGAGACACCAGAGGCCCAAGGCAGACCAAGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001108919
Insert Size:	2784 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_001108919.1</u> , <u>NP_001102389.1</u>
RefSeq Size:	2878 bp
RefSeq ORF:	2784 bp
Locus ID:	365363
Cytogenetics:	1q36