

Product datasheet for **RN209625**

Erc1 (NM_170788) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erc1 (NM_170788) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Erc1
Synonyms:	CAST; Cast2; Elks; ERC; ERC1b; Rab6ip2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209625 representing NM_170788
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATGGAAGTCTCGGTCAAGTGGGAAAGTGAACCAAGCAGCCAGAGTCCTGGCGATCACCTCGGC
 TTCCTCGGTCCCCTCGCTTAGGTCATCGGCGAACAAATAGCACAGGAGGGAGTTCGAAAACAGTGTGG
 AGGTGGCAGTGGGAAAACCCCTTCAATGGAGAATATACAGTCCTAAATGCTGCCTATGCTACATCTGGC
 CCTATGTACCTAAGTGACCATGAAAACGTGGTGCAGAAACACCTAAAAGCACCATGACACTTGGCCGTT
 CTGGAGGACGCCTGCCTACGGGTTAGGATGACTGCTATGGGCAGCAGCCCAACATAGCAAGCAGTGG
 GGTGCTAGTGATACCATAGCGTTTGGAGAGCATCACCTCCCTCTGTTAGTATGGCGTCCACGGTACCT
 CACTCTCTTCGCAAGCAAGAGATAACACCATCATGGATCTGCAGACGCAGCTGAAGGAAGTATTAAGAG
 AAAACGATCTTTGAGGAAAGATGTGGAAGTAAAGGAGAGCAAATTAAGTTCTTCGATGAATAGCATCAA
 GACCTTCTGGAGTCCAGAGCTGAAGAAAGAGCGGGCCTTGAGAAAAGACGAAGCTTCCAAAATCACCATT
 TGGAAAGGAGCAGTACCGAGTTGTGACAGGAGGAAAACCAGCACATGCAGATGACAATCCAGGCTCTCCAGG
 ATGAGCTGCGCATTACAGAGGACTTGAATCAGCTGTTTACGAAGATAGCAGCAGTCGGACTGGGGAGCC
 TTGTGTGGCAGAGCTCACGGAGGAGAACTCCAGAGGCTGCATGCTGAGCACGAGAGGCAAGCAAGGAG
 CTGTTTCTCCTGCGGAAGACCCTGGAGGAAATGGAGCTGAGGATTGAGACTCAGAAGCAAACCCCTCAATG
 CTCGGGATGAGTCCATTAAGAAGCTTCTGGAGATGCTACAGAGCAAAGGACTTTCTGCCAAAAGCCACAGA
 GGAAGACCATGAGAGAACGAGACGGCTGGCGGAGGCAGAGATGCACGTCACACCTAGAGAGTCTTTTG
 GAGCAGAAGGAGAAGGAGAATAATATGTTGAGAGAGGAGATGCACCGAGATTTGAGAATGCCCTGACT
 CTGCCAAGACAAAAGCCCTGCAAACCGTTATTGAAATGAAGGATTCAAAAATTTCTTCCATGGAGCGTGG
 GCTCCGAGACCTGGAAGAGGAAAATTCAGATGCTGAAATCAAACGGGGCTTTGAGCACAGAAGAGCGGGAG
 GAGGAGATGAAGCAAATGGAGGTGTACAGGAGCCACTCTAAGTTCATGAAAAATAAGATTGGCCAGGTGA
 AACAGGAATTGTCCAGAAAGGACACAGAATTAAGCCTTACAGACAAAGCTAGAAACTCTGACGAACCA
 ATTCTCAGACAGCAAGCAGCATATTGAGGTGCTGAAAGAGTCCCTCACTGCTAAGGAACAAAGGGCCGCC
 ATCCTGCAGACTGAGGTGGATGCTCTTCGATTGCGTTTGGAAAGAAAGGAGACGATGCTGAATAAAAAA
 CCAAACAATCCAAGATATGGCTGAGGAGAAGGGCACACAAGCTGGAGAGATACACGACCTCAAGGACAT
 GCTGGACGTGAAGGAGCGGAAGGTCAATGTTCTGCAGAAGAAGATAGAAAATCTCAGGAGCAGCTAAGA
 GATAAGGAGAAGCAGATGAGCAGCTGAAAGAGCGAGTCAAGTCTCTGCAGGCAGACACCACCAACACCG
 ACACAGCTCTGACGACGCTGGAGGAGGCCCTTGACAGATAAAGAACGAACAATTGAACGCTTAAAGGAACA
 ACGGGACAGAGATGAGCGAGAGAAGCAAGAGGAGATTGATACCTACAAAAAAGATCTTAAAGACTTGAAA
 GAAAAAGTCAGCCTATTGCAAGGAGACCTCTCAGAGAAGGAGGCTTCTCTTTGGATCTCAAAGAGCATG
 CTCTTCCCTGGCTTCTCAGGACTGAAAAAGGACTCACGGCTCAAGACCCTAGAGATCGCTCTTGAGCA
 GAAGAAGGAAGAGTGCCTAAAAATGGAATCACAGTTGAAAAAGGCACATGAAGCAACACTGGAAGCCAGA
 GCCAGCCAGAGATGAGTGACCGAATACAGCAATTGGAGAGAGAGATTGCCAGGTACAAAGATGAATCCA
 GCAAGGCCCAAACAGAAGTTGACCGTCTCTTGGAAATCTTGAAGAGGTGAAAAATGAGAAGAATGACAA
 AGATAAGAAGATAGCTGAGTTGGAAAGTCTCACCTCAAGCAGGTGAAAGACCAGAATAAAGAGGTAGCG
 AATCTGAAGCACAAAGGAGCAGGTGGAGAAGAAGAAAAGTGCAGATGCTGGAGGAGGCCCGGAGGAGGG
 AGGACAGTCTCAGCGACGCTCTCAGCAGCTGCAGGTGGAAGAGCTGTTGATGGCTATGGAGAAGGTGAA
 GCAAGAGCTGGAGTCCATGAAAGCTAAGCTGCTCCACCCAGCAGTCTCTGGCAGAGAAGGAGACACAT
 CTAACCAACCTCCGGCAGAGAGAAGGAAACACTTAGAGGAGGTTCTGGAGATGAAACAAGAAGCTCTTC
 TGGCTGCCATTAGCGAAAAGGACGCTAACATAGCCCTCTGGAGCTCTCTCCTCGAAGAAAAAGACCCA
 AGAAGAAGTGGCCGCACTGAAACGGGAAAAGGACCGCTGGTGCAGCAGCTCAAACAGCAGACACAAAAT
 CGAATGAAACTAATGGCTGACAACATGAAGATGACCACTCAGATCCTCCCGTTCCAATCAGACGAACC
 ATAAACCTCCCCAGACCAGGATGAGGAGGAGGTATATGGCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_170788
Insert Size:	2847 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_170788.2</u> , <u>NP_740769.2</u>
RefSeq Size:	3429 bp
RefSeq ORF:	2847 bp
Locus ID:	266806
UniProt ID:	<u>Q811U3</u>
Cytogenetics:	4q42
Gene Summary:	bind to the conserved PDZ domain of presynaptic active zone proteins termed RIMs [RGD, Feb 2006]