

Product datasheet for MC223660

Erc1 (NM_053204) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Erc1 (NM_053204) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Erc1 |
| Synonyms: | 4930404L01Rik; 5033405M01Rik; 9630025C19Rik; B430107L16Rik; CAST2; ELKS; Elks1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC223660 representing NM_053204 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTATGGAAGTGCTCGATCAGTAGGGAAGGTGGAACCAAGCAGCCAGAGTCCTGGGCGATCACCTCGGC
TTCTCCGGTCCCCTCGTTAGGTCATCGGCCGAACAAATAGTACAGGAGGGAGTTCTGAAACAGTGTGG
AGGTGGCAGTGGGAAAACCCCTTCAATGGAGAATATACAGTCCTAAATGCTGCCTATGCTACATCTGGC
CCTATGTACCTAAGTGACCATGAAAACGTGGGTGCAGAAACACCTAAAAGCACCATGACACTTGGCCGTT
CTGGGGGACGCTTGCCTACGGTGTAGGATGACTGCTATGGGCAGTAGCCCCAACATAGCAAGCAGTGG
GGTTGCTAGTGATACCATAGCATTGGAGAATCACCTCCCTCCTGTTAGTATGGCATCTACTGTACCT
CACTCTCTTCGTCAGGCAAGAGATAACACCATCATGGATCTGCAGACACAGCTGAAGGAAGTATTAAGAG
AAAACGATCTTTTGAGGAAAGATGTGGAAGTAAAGGAGAGCAAATTAAGTTCATCAATGAATAGTATCAA
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TGAAGGAGCAGTACCGAGTTGTACAGGAGGAAAACAGCACATGCAGATGACAATCCAGGCTCTCCAGG
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CTCGGGATGAGTCCATCAAGAAGCTTCTGGAGATGCTCCAGAGCAAAGGACTTTCTGCCAAAGCTACAGA
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ACTCTCACGAACCAATTCTCAGACAGTAAGCAACATATTGAGGTGCTGAAAGAGTCCCTCACTGCTAAGG



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AGCAAAGGGCTGCCATCCTACAGACTGAGGTGGATGCTCTTCGATTGCGTTTGAAGAAAAAGAGACTAT
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CTCTTCTGGCTGCTATAAGTGAAAAGGATGCTAACATAGCTCTTCTAGAGCTTCTCCTCAAAGAAAA
GACCCAAGAAGAAGTGGCTGCACTGAAACGGGAAAAGGACCGCTGGTGCAGCAGCTCAAACAGCAGACA
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TGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053204
- Insert Size:** 3363 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:**
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: [NM_053204.2](#), [NP_444434.2](#)

RefSeq Size: 8760 bp

RefSeq ORF: 3363 bp

Locus ID: 111173

Cytogenetics: 6 F1

Gene Summary: Regulatory subunit of the IKK complex. Probably recruits I κ B α /NF κ BIA to the complex (By similarity). May be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. May be involved in vesicle trafficking at the CAZ. May be involved in Rab-6 regulated endosomes to Golgi transport.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.