

Product datasheet for MR224623

Ergic3 (NM_025516) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ergic3 (NM_025516) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ergic3 |
| Synonyms: | 2310015B14Rik; AV318804; CGI-54; D2Ucla1; NY-BR-84; Sdbcag84 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR224623 representing NM_025516 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGCTGGGAAGCTGAAGCAGTTCGATGCCTACCCTAAGACTCTGGAGGACTTCCGGGTCAAGA
CCTGCGGGGGTGCCACGGTGACCATCGTCAGTGGCCTTCTCATGCTCCTGCTTTTCTATCGGAGTTGCA
GTATTATCTCACTACGGAGGTGCATCCTGAGCTCTACGTGGACAAGTCTCGGGGGGATAAAGTGAAGATC
AACATCGATGTTCTTTCCGCACATGCCTTGTGCCTACTTGAGCATCGATGCCATGGACGTGGCCGGGG
AGCAGCAGCTGGATGTGGAACACAACCTGTTCAAGAAACGACTAGACAAGGATGGCGTCCCCGTGAGCTC
AGAGGCTGAACGGCAGGCTTGGGAAAGTCGAGGTGACAGTGTGGACCCAACTCCTTGACCCCAAT
CGCTGTGAGAGCTGCTACGGCGCTGAGTCAGAAGACATCAAGTGCTGTAACAGTTGTGAAGATGTGCGGG
AGGCCTATCGCCGTCGAGGCTGGGCCTTCAAGAACCCGGACACCATGAGCAGTGTGGCGAGAGGGCTT
CAGCCAGAAGATGCAGGAGCAGAAGATGAAGGCTGCCAGGTGTACGGCTTCTTGAGGTTCAACAAGGTG
GCTGGAACCTTCCACTTTGCCCTGGGAAGAGCTTCAACAGTCTCATGTGCATGTTTCAAGTGTGAGA
GCTTTGGCCTTGACAATATCAACATGACACACTACATCAAGCACCTGTGATTCGGGGAGGACTATCCAGG
AATCGTGAACCCCTAGACCACACCAACGTGACTGCACCCCAAGCCTCCATGATGTTCCAGTACTTTGTG
AAGGTGGTGCCACAGTGTACATGAAGGTGGACGGGAGGTGCTGAGGACTAACCAGTTTCCGTGACCA
GGCAGGAGAAGGTTGCCAATGGGCTCCTGGGTGACCAGGCTGCCGGGGTCTTTGTGCTGTATGAGCT
CTACCAATGATGGTGAAGCTGACGGGAGAAACACAGGTCCTTACCCACTTTCTGACAGGTGTGTGCGCC
ATCATTGGGGCATGTTTACAGTGGCCGCCTCATTGACTCGCTCATCTACCACTCCGCTCGGGCCATCC
AGAAGAAAATTGACCTAGGAAGACAACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR224623 representing NM_025516
Red=Cloning site Green=Tags(s)

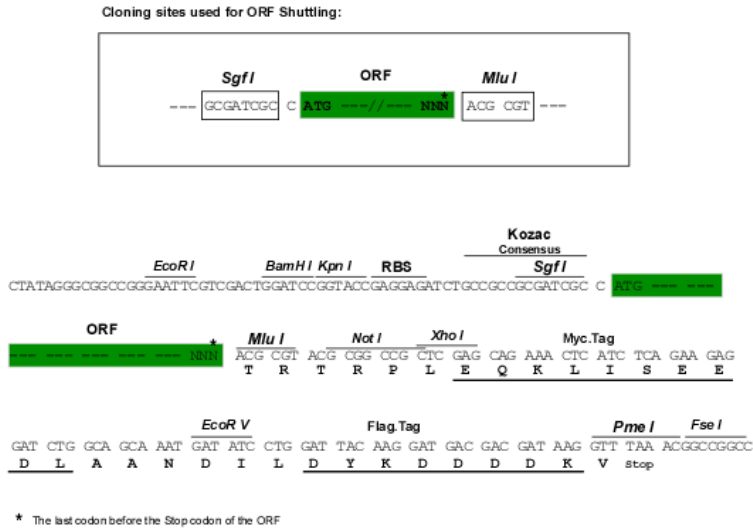
MEALGKLKQFDAYPKTLEDFRVKTCGGATVTIVSGLLMLLLFLSELQYYLTTEVHPELYVDKSRGDKLKI
 NIDVLFPHMPCAYLSIDAMDVAGEQQLDVEHNLFKKRLDKDGVPSSEAEERHEL GKVEVTVFDPNSLDPN
 RCESCYGAESEDIKCCNSCEDVREAYRRRGWAFKNPDTIEQCRREGFSQKMQEKNEGCQVYGFLEVNKV
 AGNFHFAPGKSFQQSHVHVHDLQSFGLDNINMTHYIKHLSFGEDYPGIVNPLDHTNVTAPQASMMFYFV
 KVVPTVYMKVDGEVLRNTQF SVTRHEKVANGLLDQGLPGVFVLYELSPMMVKLTEKHRSFTHFLTGVCA
 IIGMFTVAGLIDSLIYHSARAIQKKIDLGKTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025516

ORF Size: 1149 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_025516.5](#)

RefSeq Size: 1297 bp

RefSeq ORF: 1152 bp

Locus ID: 66366

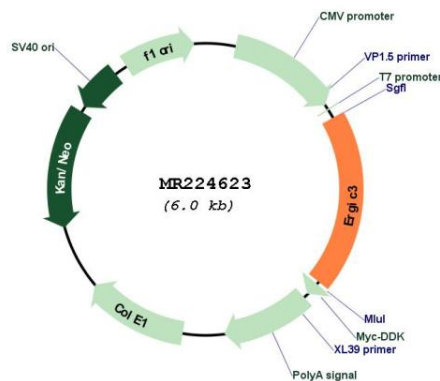
UniProt ID: [Q9CQE7](#)

Cytogenetics: 2 77.32 cM

MW: 43.7 kDa

Gene Summary: Possible role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224623