

Product datasheet for **RR210241**

Ergic3 (NM_001106533) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ergic3 (NM_001106533) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ergic3
Synonyms: Sdbcag84
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210241 representing NM_001106533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCGCTGGGAAGCTGAAGCAGTTCGATGCCTACCCTAAGACTCTGGAGGACTTCCGGGTCAAGA
CCTGCGGGGGCGCCACGGTGACCATCGTGAGTGGCCTTCTCATGCTCCTGCTGTTCTGTCTGAGTTGCA
GTATTATCTCACCACCGAGGTGCATCCTGAGCTCTACGTGGACAAGTCTCGGGGGGATAAACTGAAGATC
AACATCGATGTTCTTTCCACACATGCCTTGTGCCTACTTGAGCATCGATGCCATGGATGTGGCCGGGG
AGCAGCAGCTGGATGTGGAGCACAACTGTTCAAGAAACGACTGGACAAGGATGGCATCCCCGTGAGCTC
AGAGGCTGAACGGCATGAGCTTGGGAAAGTCGAGGTGACAGTGTGGTACCAGACTCCCTGGACCCCAAT
CGCTGTGAGAGCTGCTATGGTGCAGAAATCAGAAGATATCAAGTGCTGTAACAGTTGTGAAGATGTGCGGG
AAGCGTATCGCCCGCGAGGCTGGGCCTTCAAGAACCAGACACTATTGAGCAGTGTGACGGGAGGGCTT
CAGCCAGAAGATGCAGGAGCAGAAGAACGAGGGCTGCCAGGTGTACGGCTTCTGGAGGTCAACAAGGTG
GCTGGGAACTTCCACTTGGCCCTGGGAAGAGCTTCCAGCAGTCCCATGTGCACGTTTCAGTACTTTGTG
CATTGTGAACCCCTGGACCACACCAACGTCACCTGCACCGAAGCCTCCATGATGTTCCAGTACTTTGTG
AAGGTGGTGCCTACAGTGTACATGAAAGTGGACGGGGAGGTGCTGAGGACAAACCAGTTCTCTGTGACCA
GGCAGCAGAAGGTTGCCAATGGCCTACTGGGTGATCAGGGCCTGCCGGGGTCTTTGTGCTGTATGAGCT
CTCACCAATGATGGTGAAGCTGACAGAGAAACACAGGTCTTACGCACCTTCTGACGGGTGTGTGTGCC
ATCATTGGAGGCATGTTTACAGTGGCTGGACTCATTGACTCACTCATCTACCACTCGGCTCGGGCCATCC
AGAAGAAAATTGATCTGGGAAGACAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210241 representing NM_001106533
Red=Cloning site Green=Tags(s)

MEALGKLGKQFDAYPKTLEDFRVKTCGGATVTIVSGLLMLLLFLSELQYYLTTEVHPELYVDKSRGDKLKI
 NIDVLFPHMPCAYLSIDAMDVAGEQQLDVEHNLFKKRLDKDGIPVSSAERHELKGVEVTVFDPDSLDPN
 RCESCYGAESEDIKCCNSCEDVREAYRRRGWAFKNPDTIEQCRREGFSQKMQEQQNEGCQVYGFLEVNKV
 AGNFHFAPGKSFQQSHVHVHDLQSFGLDNINMTHYIKHLSFGEDYPGIVNPLDHTNVTAPQASMMFYFV
 KVVPTVYMKVDGEVLRTNQFSVTRHEKVANGLLDGQGLPGVFVLYELSPMMVKLTEKHRSFTHFLTGVCA
 IIGMFTVAGLIDSLIYHSARAIQKKIDLGKTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

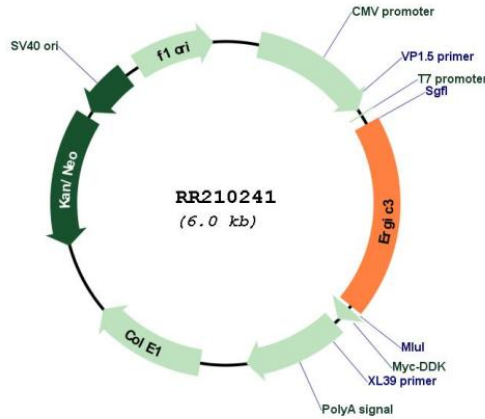
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106533

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:	<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:	NM_001106533.1 , NP_001100003.1
RefSeq Size:	1338 bp
RefSeq ORF:	1152 bp
Locus ID:	296306
Cytogenetics:	3q42
MW:	43.2 kDa