OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR210966

1300001I01Rik (BC072573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1300001I01Rik (BC072573) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1300001I01Rik
Synonyms:	1300001I01Rik; Kiaa0664; mKIAA0664
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR210966 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCATCAAGACGGACGAGTTGCCGGCGGCCGCCCCGGCCGACAGCGCCCGGGAGCACGGCTCGCAGG
CCGGCGGCAAGGGGCGGCCGAACGCGGCTGATCTCCCCTCGGTCATGCTGTTGAATGGTGACTGCTCAGA
GAATTTGAAGAAGGAAGAAGGGACATCTGAGCCACCTAGGGAAAATGGGCTAGATGAGGGTGAGCCTGGA
GATGAGACCACTGGACAGGAAGTCATTGTCATTCAGGACACAGGCTTTTCTGTGAAGATTCTGGCCCCTG
GCATCGAGCCCTTTTCCCTGCAGGTGTCCCCCCAGGAGATGGTGCAGGAGATCCACCAGGTGCTCATGGA
CCGTGAGGATACTTGTCATCGTACCTGCTTCTCACTACACTTGGATGGCAATATGCTGGACCACTTTTCA
GAGCTACGCAGTGTGGAGGGGCTGCAGGAGGGCTCGGTGCTCCGAGTTGTGGAAGAGCCTTACACGGTGC
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CGGAAGAAAGGCTTGGAGATGGACCCCATCGACTGCACCCCACCTGAGTATATCCTGCCGGGGAGCCGGG
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CATGAGTGGCTGGAACCCACCTCCTGGGAACCGCAAGATGCATGGGGACCTCATGTACCTGTTTGTGATC
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CTGAATGGTGTTCGCACATACAATGCCGTGGATGTAGAGGGACTGTACACACTGGGTACAGTGGTAGTGG
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TGTCATCTATGGCTCCATTGACTTTGGCAAGACGGTGGTGTCTCACCCACGCTATCTGGAGCTGTTGGAG
CGCACCAGCCGGCCCCTCAAGATCCTTCGTCACCGAGTACTCAATGACCGAGACGAGGAGGTGGAGCTCT
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CCTCAGATGATGGCACAGTAGACCCTCGAAGCCGAGAGGTGATCCGAAATGCCTGCAAGGCTGTTGGCTC
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TCCTGCCAGGATGAAGTTCGGGACCAGAAGCAGCTGTTGAAAGATGCTGCTGCTTTCCTGCTCTCCTGCC
AGATCCCCGGTTTGGTGAGGGAGGGGCTGAAAGGTTGGGTTGGGGCTGCTGAAAGGGGCTGTTGCCCCTT
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AGCCTGGCACACTGGCAGTGCCCAATAAGTCAAAGGAGGCGTCAGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

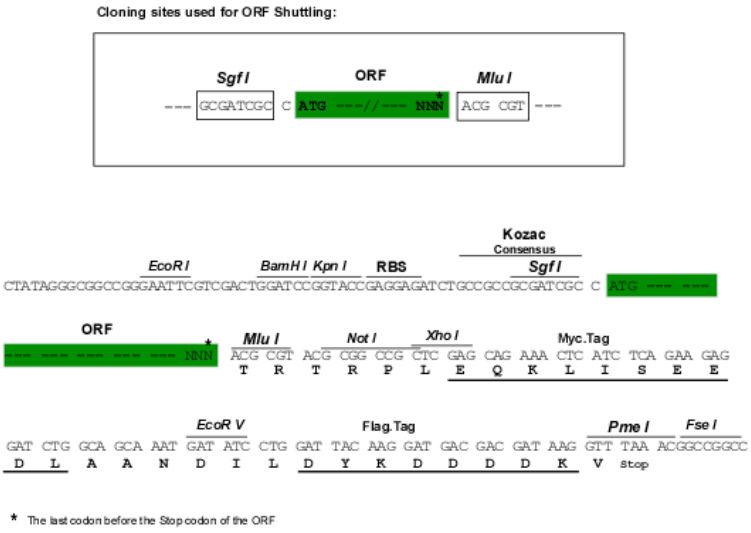
>MR210966 protein sequence
Red=Cloning site Green=Tags(s)

MVIKTDELPAAAPADSAREHGSQAGGKGRPNAADLPSVMLLNGDCSENLKKEEGTSEPPRENGLDEGEPG
DETTGQEVIVIQDTGFSVKILAPGIEPFSLQVSPQEMVQEIHQVLMDREDTCHRTCFSLHLDGNMLDHFS
ELRSVEGLQEGSVLRVVEEPYTVREARIHVRHVRDLLKSLDPSDAFNGVDCNSLSFLSVFTDGDLGDSGK
RKKGLEMDPIDCTPPEYILPGSRERPLCPLQPQNRDWKPLQCLKVLTMSGWNPPPGNRKMHGDLMYLFVI
TAEDRQVSITASTRGFYLNQSTAYHFNPKPASPRFLSHSLVELLNQISPTFKKNFAVLQKKRVQRHPFER
IATPFQVYSWTAPQAEHAMDCVRAEDAYTSRLGYEEHIPGQTRDWNEELQTTRELPRKNLPERLLRERAI
FKVHSDFTAAATRGAMAVIDGNVMAINPSDETKMQMFIWNNIFFSLGFDVRDHYKDFGGDVAAYVAPTND
LNGVRTYNAVDVEGLYTLGTVVVDYRGYRVTAQSIIPGILERDQEQSVIYGSIDFGKTVVSHPRYLELLE
RTSRPLKILRHRVLNDRDEEVELCSSVECKGIIGNDGRHYILDLLRTFPPDLNFLPVPGEELPEECSRAG
FPRTHRHKLCCLRQELVDAFVEHRYLLFMKLAALQLMQQKASKVETTTSLENGGLPSSAETKSEDSIGPE
AGCEEEGSSVSGLAKVKELAETIASDDGTVDPRSREVIRNACKAVGSISSTAFDIRFNPDIFSPGVRFPE
SCQDEVRDQKQLLKDAAAFLLSCQIPGLVREGLKGWVGAAERGCCPLVPPVPWFLDHIENLLVTSALASP
SLAHWQCPISQRRRQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

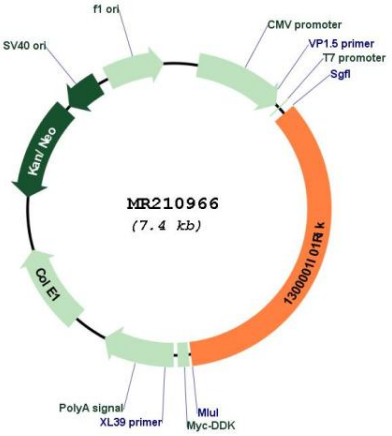
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	BC072573
ORF Size:	2568 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:	BC072573, AAH72573
RefSeq Size:	6121 bp
RefSeq ORF:	2570 bp
Locus ID:	74148
Cytogenetics:	11
MW:	95.6 kDa
Gene Summary:	mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria. Specifically binds mRNAs of nuclear-encoded mitochondrial proteins in the cytoplasm and regulates transport or translation of these transcripts close to mitochondria, playing a role in mitochondrial biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210966