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Product datasheet for RC227975

Ki67 (MKI67) (NM_001145966) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ki67 (MKI67) (NM_001145966) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MKI67
Synonyms:	KIA; MIB-; MIB-1; PPP1R105
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC227975 representing NM_001145966 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGGCCCACGAGACGCCTGGTTACTATCAAAAGGAGCGGGGTCGACGGTCCCCACTTTCCCCTGAGCC TCAGCACCTGCTTGTTTGGAAGGGGTATTGAATGTGACATCCGTATCCAGCTTCCTGTTGTGTCAAAACA ACATTGCAAAATTGAAATCCATGAGCAGGAGGCAATATTACATAATTTCAGTTCCACAAATCCAACACAA GTAAATGGGTCTGTTATTGATGAGCCTGTACGGCTAAAACATGGAGATGTAATAACTATTATTGATCGTT CCTTCAGGTATGAAAATGAAAGTCTTCAGAATGGAAGGAAGTCAACTGAATTTCCAAGAAAAATACGTGA ACAGGAGCCAGCACGTCGTGTCTCAAGATCTAGCTTCTCTTCTGACCCTGATGAGAGTGAGGGAATACCT TTGAAAAGAAGGCGTGTGTCCTTTGGTGGGCACCTAAGACCTGAACTATTTGATGAAAACTTGCCTCCTA ATACGCCTCTCAAAAGGGGAGAAGCCCCAACCAAAAGAAAGTCTCTGGTAATGCACACTCCACCTGTCCT GAAGAAAATCATCAAGGAACAGCCTCAACCATCAGGAAAACAAGAGTCAGGTTCAGAAATCCATGTGGAA GTGAAGGCACAAAGCTTGGTTATAAGCCCTCCAGCTCCTAGTCCTAGGAAAACTCCAGTTGCCAGTGATC AACGCCGTAGGTCCTGCAAAACAGCCCCTGCTTCCAGCAGCAAATCTCAGACAGAGGTTCCTAAGAGAGG AGGGAGAAAGAGTGGCAACCTGCCTTCAAAGAGAGTGTCTATCAGCCGAAGTCAACATGATATTTTACAG ATGATATGTTCCAAAAGAAGAAGTGGTGCTTCGGAAGCAAATCTGATTGTTGCAAAATCATGGGCAGATG TAGTAAAACTTGGTGCAAAACAAACACAAACTAAAGTCATAAAACATGGTCCTCAAAGGTCAATGAACAA AAGGCAAAGAAGACCTGCTACTCCAAAGAAGCCTGTGGGCGAAGTTCACAGTCAATTTAGTACAGGCCAC GCAAACTCTCCTTGTACCATAATAATAGGGAAAGCTCATACTGAAAAAGTACATGTGCCTGCTCGACCCT ACAGAGTGCTCAACAACTTCATTTCCAACCAAAAAATGGACTTTAAGGAAGATCTTTCAGGAATAGCTGA AATGTTCAAGACCCCAGTGAAGGAGCAACCGCAGTTGACAAGCACATGTCACATCGCTATTTCAAATTCA GAGAATTTGCTTGGAAAACAGTTTCAAGGAACTGATTCAGGAGAAGAACCTCTGCTCCCCACCTCAGAGA GTTTTGGAGGAAATGTGTTCTTCAGTGCACAGAATGCAGCAAAACAGCCATCTGATAAATGCTCTGCAAG CCCTCCCTTAAGACGGCAGTGTATTAGAGAAAATGGAAACGTAGCAAAAACGCCCAGGAACACCTACAAA ATGACTTCTCTGGAGACAAAAACTTCAGATACTGAGACAGAGCCTTCAAAAACAGTATCCACTGCAAACA

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Protein Sequence:

>RC227975 representing NM_001145966
Red=Cloning site Green=Tags(s)

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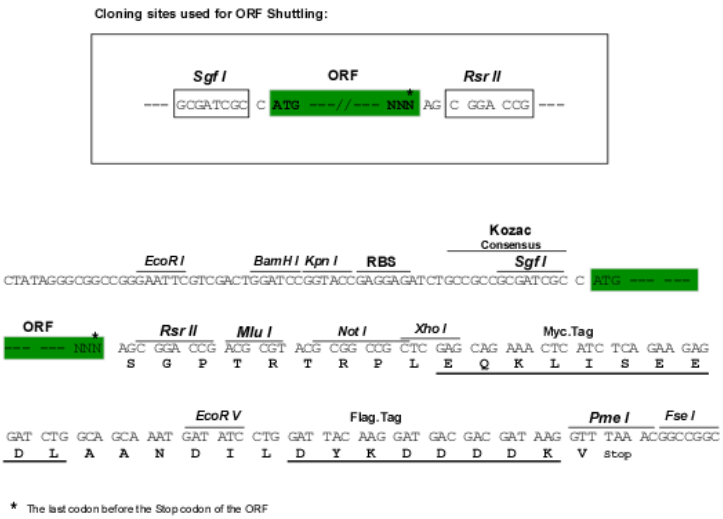
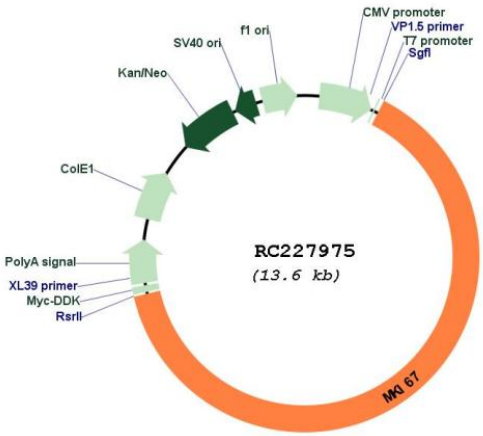
Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145966

ORF Size: 8688 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_001145966.2
RefSeq ORF:	8691 bp
Locus ID:	4288
UniProt ID:	P46013
Cytogenetics:	10q26.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
MW:	319.3 kDa
Gene Summary:	This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009]