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Product datasheet for RC217317

MAP4K6 (MINK1) (NM_001024937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K6 (MINK1) (NM_001024937) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MINK1
Synonyms:	B55; MAP4K6; MINK; YSK2; ZC3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC217317 representing NM_001024937 Red=Cloning site Blue=ORF Green=Tags(s)

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CTGACAAACCAGCCTGGGCCCGAGAGGTAGAAGAGAGAACAAGGATGAACAAGCAGCAGAACTCTCCCTT
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Protein Sequence:

>RC217317 representing NM_001024937
Red=Cloning site Green=Tags(s)

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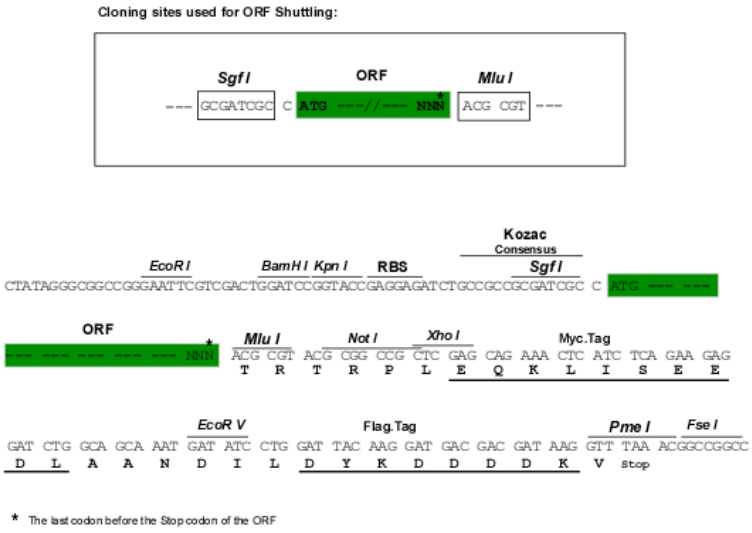
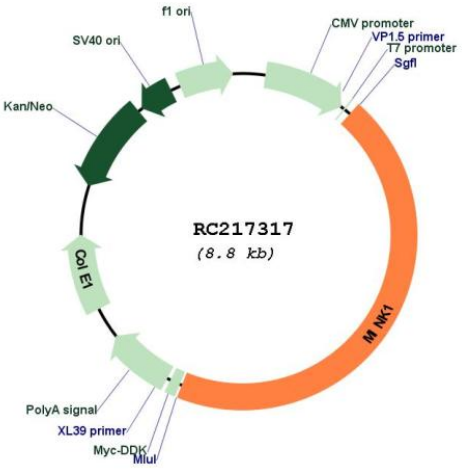
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001024937
ORF Size:	3936 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_001024937.4
RefSeq Size:	4975 bp
RefSeq ORF:	3939 bp
Locus ID:	50488
UniProt ID:	Q8N4C8
Cytogenetics:	17p13.2

Protein Families:	Druggable Genome, Protein Kinase
MW:	147.7 kDa
Gene Summary:	This gene encodes a serine/threonine kinase belonging to the germinal center kinase (GCK) family. The protein is structurally similar to the kinases that are related to NIK and may belong to a distinct subfamily of NIK-related kinases within the GCK family. Studies of the mouse homolog indicate an up-regulation of expression in the course of postnatal mouse cerebral development and activation of the cJun N-terminal kinase (JNK) and the p38 pathways. [provided by RefSeq, Mar 2016]