

Product datasheet for **MR218964**

Meil (NM_028897) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Meil
Synonyms:	4932408F18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR218964 representing NM_028897
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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CACACCTCCTTGGTCGCTCAGCTGGTAGCTCAGGACCAGAGAGTCTGCATCCATTTTGTACGCGTGCTTT
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Protein Sequence:

>MR218964 representing NM_028897

Red=Cloning site Green=Tags(s)

MTAADHPAFGRDEEAALLERTHHRHDPWLLPVSPHVCMALELLPEPGVSLVRKKHVVFQDALVR
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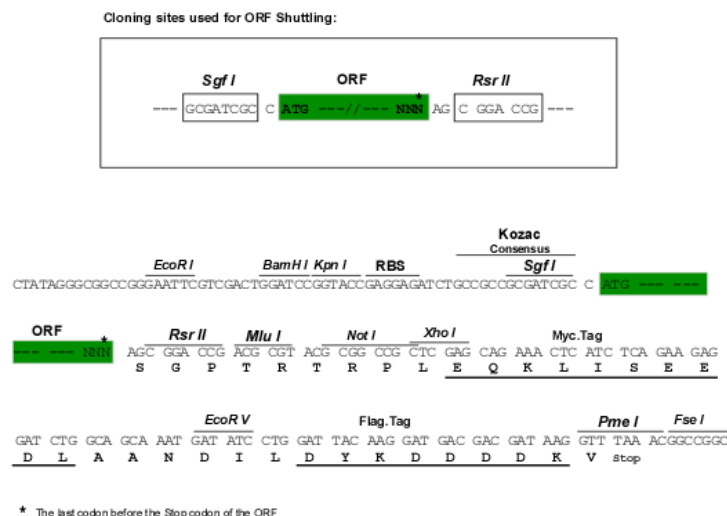
Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_h06.zip

Restriction Sites:

Sgfl-Rsrll

Cloning Scheme:



ACCN:

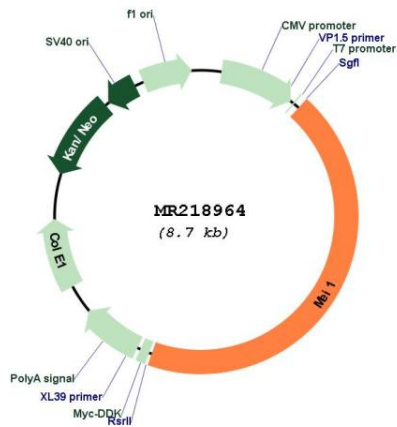
NM_028897

ORF Size:

3804 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_028897.3 , NP_083173.2
RefSeq Size:	3991 bp
RefSeq ORF:	3807 bp
Locus ID:	74369
UniProt ID:	Q9D4I2
Cytogenetics:	15 38.41 cM
MW:	140.9 kDa
Gene Summary:	Required for normal meiotic chromosome synapsis. May be involved in the formation of meiotic double-strand breaks (DSBs) in spermatocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218964