

## Product datasheet for MR203567

### Ilkap (BC027439) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ilkap (BC027439) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilkap
Synonyms:	0710007A14Rik; 1600009O09Rik; PP2C-DELTA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR203567 representing BC027439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGGATGCCCATGTCATCCTGAACGATATCACTCAGGAGTGTAACTCCTCCATCATCTCTCATTACTC  
GGGTTTCATACTTTGCTGTGTTTGATGGACATGGAGGAATACGAGCCTCGAAATTTGCTGCACAGAATTT  
GCACCAGAACTTAATCAGGAAATTTCTAAAGGAGATATAATCAGTGTGGAGAAGACTGTAAGAGGGTGT  
CTGCTAGATACTTTAAGCACACCGATGAAGAGTTCCTGAAACAGGCTTCAAGCCAGAAGCTGCCTGGA  
AAGACGGGTCCACTGCCACGTGTCTGGCTGTGGACAACATCCTGTATATCGCCAACCTTGGAGATAG  
TCGGGCAATCCTGTGTCGATATAATGAGGAAAGTCAGAAGCACGACGCTTAAGCCTCAGCAAAGAGCAC  
AACCCAACTCAGTATGAAGAGCGCATGAGGATACAGAAAGCTGGAGGGAATGTCAGAGATGGGCGTGTCT  
TGGGCGTGTGGAGGTATCGCGTTCCATTGGAGATGGGCAGTACAAGCGCTGTGGGGTACATCTGTGCC  
TGATATCAGACGCTGCCAGCTGACCCCAATGACAGGTTCAATTTGCTGGCTTGCACGGGCTTTTCAAG  
GTCTTTACCCAGAAGAAGCTGTGAACCTCATCTTGTCTGCCTTGAGGTTCTAGACAACCTTATTTCAT  
CTCGTTTCCCTGTTCCCTGAAGTGAAGCCTGAGAGGATGACTGTCTGCTTACACCCAGCTGTCAAT  
CTCAGGAGTGCTTGGTTCGCTGCCTGAGTGGATGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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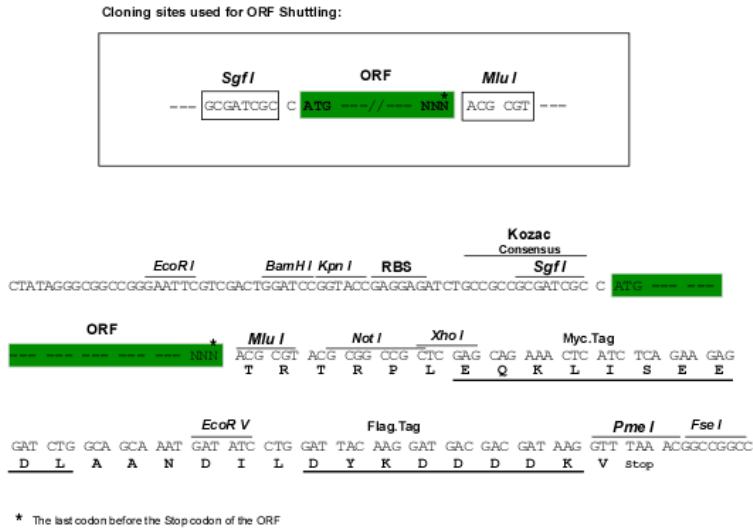
Protein Sequence: >MR203567 representing BC027439  
 Red=Cloning site Green=Tags(s)

MQDAHVILNDITQECNPPSSLITRVSYFAVFDGHGGIRASKFAAQNHLHQNLIKFPKGDIIISVEKTVKRC  
 LLDTFKHTDEEFLKQASSQKPAWKDGGSTATCVLAVDNILYIANLGDSRAILCRYNEESQKHAALSLSKEH  
 NPTQYEERMRIQKAGGNVRDGRVLGVLEVSRSIGDGQYKRCGVTSPDIRRCQLTPNDRIFILLACDGLFK  
 VFTPEEAVNFILSCLEVPRQLHSSRSFCPEVSPERMTVVLAYTQLSISGLVLSLPEWVV

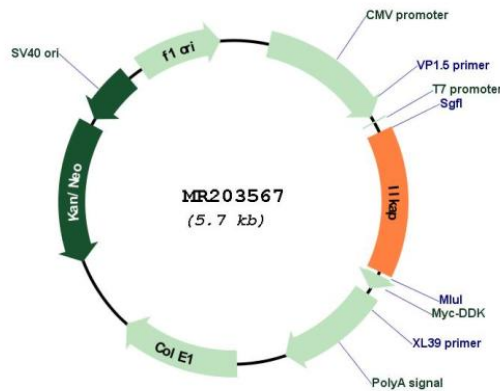
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC027439  
 ORF Size: 807 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC027439.1</a>
<b>RefSeq Size:</b>	2698 bp
<b>RefSeq ORF:</b>	809 bp
<b>Locus ID:</b>	67444
<b>Cytogenetics:</b>	1 D
<b>MW:</b>	98.9 kDa
<b>Gene Summary:</b>	Protein phosphatase that may play a role in regulation of cell cycle progression via dephosphorylation of its substrates whose appropriate phosphorylation states might be crucial for cell proliferation. Selectively associates with integrin linked kinase (ILK), to modulate cell adhesion and growth factor signaling. Inhibits the ILK-GSK3B signaling axis and may play an important role in inhibiting oncogenic transformation (By similarity). [UniProtKB/Swiss-Prot Function]