

Product datasheet for **MG203567**

Ilkap (BC027439) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ilkap (BC027439) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ilkap
Synonyms: 0710007A14Rik; 1600009O09Rik; PP2C-DELTA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203567 representing BC027439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGATGCCCATGTCATCCTGAACGATATCACTCAGGAGTGTAACTCCTCCATCATCTCTCATTACTC
 GGGTTTCATACTTTGCTGTGTTGATGGACATGGAGGAATACGAGCCTCGAAATTTGCTGCACAGAATTT
 GCACCAGAACTTAATCAGGAAATTTCTAAAGGAGATATAATCAGTGTGGAGAAGACTGTAAGAGGTGT
 CTGCTAGATACTTTTAAGCACACCGATGAAGAGTTCCTGAAACAGGCTTCAAGCCAGAAGCCTGCCTGGA
 AAGACGGGTCCACTGCCACGTGTGCTGGCTGTGGACAACATCCTGTATATCGCCAACCTTGGAGATAG
 TCGGGCAATCCTGTGTCGATATAATGAGGAAAGTCAGAAGCACGACGCTTAAGCCTCAGCAAAGAGCAC
 AACCCAACCTCAGTATGAAGAGCGCATGAGGATACAGAAAGCTGGAGGGAATGTCAGAGATGGGCGTGTCT
 TGGGCGTGTGGAGGTATCGCGTTCCATTGGAGATGGGCAGTACAAGCGCTGTGGGGTCACATCTGTGCC
 TGATATCAGACGCTGCCAGCTGACCCCAATGACAGGTTCAATTTGCTGGCTTGGACGGGCTTTTCAAG
 GTCTTTACCCAGAGAAGCTGTGAACCTCATCTTGTCTGCCTTGAGGTTCTAGACAACCTTATTTCAT
 CTCGTTCTGTTCCCTGAAGTGAGCCCTGAGAGGATGACTGTCGTCCTGGCTTACACCCAGCTGTCAAT
 CTCAGGAGTGTGGTTCCGCTGCCTGAGTGGATGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203567 representing BC027439
Red=Cloning site Green=Tags(s)

MQDAHVILNDITQECNPPSSLITRVSYFAVFDGHGGIRASKFAAQNHLHQNLIKFKPKGDIISVEKTVKRC
 LLDTFKHTDEEFLKQASSQKPAWKDGGSTATCVLAVDNILYIANLGDSRAILCRYNEESQKHAALSLSKEH
 NPTQYEERMRIQKAGGNVRDGRVLGVLEVSRSIGDGQYKRCGVTSVPDIRRCQLTPNDRFILLACDGLFK
 VFTPEEAVNFILSCLEVPRQLHSSRSFCPEVSPERMTVVLAYTQLSISGVLGSLPEWMV

TRTRPLE - GFP Tag - V

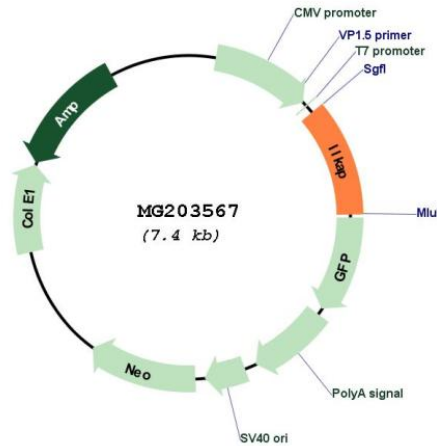
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC027439

ORF Size: 807 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:	<ol style="list-style-type: none">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:	BC027439.1
RefSeq Size:	2698 bp
RefSeq ORF:	809 bp
Locus ID:	67444
Cytogenetics:	1 D
Gene Summary:	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]