

Product datasheet for **RN207710**

Ilkap (NM_022606) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilkap (NM_022606) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ilkap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207710 representing NM_022606 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACCTATTCGGGGACTTGCCGGAGCCCGAGCGCCCGCCGCGCCGTCTGCCGGGAAAGAAGCACAGG
AAGGACCCGTGCTCTTCGAGGACCTGCCCCGACCAGCAGTACTGACTCAGGATCTGGGGACCTTTACT
CTTTGATGGTCTTCCACCTGCTGGCAGCGGCAATTCAGGTTCTCTTGCCACATCAGGCTCCCAGGTGGT
AAGAACGAAGGAAAAGGAGCAAGAGGAAAGCCCTGAGGAAGAGAAGAATGGCGGTGAAGAGCTTGTG
AAAAGAAAGTTTGTAAAGCCTCTTCGGTGATCTTTGGTTTGAAGGCTACGTGGCAGAGCGGAAGGTTGA
GAGGGAGGAGATGCAGGACGCCCATGTCATCCTGAATGATATCACTCAGGAGTGAATCCTCCATCATCT
CTCATTACTCGGGTTTCATACTTTGCTGTTTTGATGGACATGGAGGAATTCGAGCCTCGAAATTTGCTG
CACAGAATTTGCACCAGAACTTAATCAGGAAATTTCTAAAGGAGATGTAATCAGTGTGGAGAAGACTGT
GAAGAGGTGCCTGCTAGATACTTTAAGCACACCGATGAAGAGTTCCTGAAACAGGCTTCAAGCCAGAAG
CCTGCCTGGAAAGACGGGTCCACTGCCACGTGTGCTGGCTGTGGACAACATCCTGTATATCGCCAACC
TTGGAGATAGTCGGGCAATCCTGTGTCGATATAACGAGGAAAGTCAAAGCATGCAGCCTTAAGCCTCAG
CAAAGAGCACAATCCAATCAGTATGAAGAGCGCATGAGGATACAGAAGGCTGGAGGCAATGTCAGAGAT
GGCCGTGTCTTGGGTGTGCTGGAGGTATCCCGCTCCATTGGAGATGGGCAGTACAAGCGTTGCGGGGTCA
CATCCGTGCCTGATATCAGACGCTGCCAGTTGACCCCAATGACAGGTTCAATTTGCTGGCTTGTGATGG
GCTCTTCAAGGTCTTTACCCAGAGAAGCTGTGAACTTCATCTTGTCTGCTTGGAGTGAAGATC
CAGACCCGAGAAGGGAAGCCTGCTGTTGATGCCCGCTATGAAGCTGCATGCAACAGGCTGGCTAACAAAG
CAGTGCAGCGGGGCTCGGCAGATAACGTGACGGTGATGGTGGTGAAGGATAGGACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_022606
Insert Size:	1179 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_022606.1</u> , <u>NP_072128.1</u>
RefSeq Size:	1318 bp
RefSeq ORF:	1179 bp
Locus ID:	64538
UniProt ID:	<u>Q9Z1Z6</u>
Cytogenetics:	9q36
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]