

Product datasheet for SC111845

ILKAP (NM_030768) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILKAP (NM_030768) Human Untagged Clone
Tag:	Tag Free
Symbol:	ILKAP
Synonyms:	ILKAP2; ILKAP3; PP2C-DELTA; PP2CD; PPM1O
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030768, the custom clone sequence may differ by one or more nucleotides

```

ATGGACCTCTTCGGGGACCTGCCGGAGCCCGAGCGCTCGCCGCGCCCGGCTGCCGGAAAGAAGCTCAGA
AAGGACCCTGCTCTTTGATGACCTCCCTCCGGCCAGCAGTACTGACTCAGGATCAGGGGGACCTTTGCT
TTTTGATGATCTCCACCCGCTAGCAGTGGCGATTGAGTTCTCTTGCCACATCAATATCCAGATGGTA
AAGACTGAAGGGAAAGGAGCAAAGAGAAAAACCTCCGAGGAAGAGAAGAATGGCAGTGAAGAGCTTGTGG
AAAAGAAAGTTTGTAAAGCCTCTTCGGTATCTTTGGTCTGAAGGGCTATGTGGCTGAGCGGAAGGGTGA
GAGGGAGGAGATGCAGGATGCCACGTCATCCTGAACGACATCACCGAGGAGTGTAGGCCCCCATCGTCC
CTCATTACTCGGGTTTCATATTTTGTCTGTTTTGATGGACATGGAGGAATTCGAGCCTCAAATTTGCTG
CACAGAATTTGCATCAAACTTAATCAGAAAATTCCTAAAGGAGATGTAATCAGTGTAGAGAAAACCGT
GAAGAGATGCCTTTTGGACACTTCAAGCATACTGATGAAGAGTTCCTTAAACAAGCTTCCAGCCAGAAG
CCTGCCTGGAAAGATGGGTCCACTGCCAGTGTGTTCTGGCTGTAGACAACATTCTTTATATTGCCAAC
TCGGAGATAGTCGGGCAATCTTGTGTCGTTATAATGAGGAGAGTCAAAAACATGCAGCCTTAAGCCTCAG
CAAAGAGCATAATCCAACACTAGTATGAAGAGCGGATGAGGATACAGAAGGCTGGAGGAAACGTCAGGGAT
GGGCGTGTGTTGGCGTGCTAGAGGTGTCACGCTCCATTGGGGACGGGCAGTACAAGCGCTGCGGTGTCA
CCTCTGTGCCCGACATCAGACGCTGCCAGCTGACCCCAATGACAGGTTTCATTTTGTGGCTGTGATGG
GCTCTTCAAGGTCTTTACCCAGAGAAGCCGTGAACCTTCACTTGTCTGCTCGAGGATGAAAAGATC
CAGACCCGGAAGGGAAGTCCGCAGCCGACCCGCTACGAAGCAGCCTGCAACAGGCTGGCCAACAAGG
CGGTGCAGCGGGGCTCGGCCGACAACGTCACCTGTGATGGTGGTGCAGGATAGGGCACTGA

```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030768 unedited</p> <pre>CGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCCACGCCGCGCCGATTGGTGGC GTCCGGGACTCTCCCTGCAGGTGACTGACGGCGCCGGCCGCCCTGCCCGTCGCCCGCC GCTGCTGCCGCCCGCCGGGGTGTGGAGCCCGCCGCTGCTCGCGGGCTGAGTGTCTGTC GCTGCTGCCGCCCTCCACCAGCCTCCGCCATGGACCTCTTCGGGGACCTGCCGGAGCCCG AGCGCTCGCCCGCCCGGCTGCCGGGAAAGAAGCTCAGAAAGGACCCCTGCTCTTTGATG ACCTCCCTCCGGCCAGCAGTACTGACTCAGGATCAGGGGACCTTTGCTTTTTGATGATC TCCCACCCGCTAGCAGTGGCGATTGAGGTTCTCTTGCCACATCAATATCCAGATGGTAA AGACTGAAGGAAAGGAGCAAAGAGAAAAACCTCCGAGGAAGAGAAGAATGGCAGTGAAG AGCTTGTGAAAAAGAAAGTTTGTAAAGCCTCTTCGGTGTCTTTGGTCTGAAGGGCTATG TGGCTGAGCGGAAGGGTGAAGGGAGGAGATGCAGGATGCCACGTCATCCTGAACGACA TCACCGAGGAGTGTAGGCCCCATCGTCCCTCATTACTCGGGTTTCATATNTGCTGTTT TTGATGGACATGGAGGAATTCGAGCCTCAAAATTTGCTGCACAGAATTTGCATCAAACT TAATCAGANAATTTCTAAAGGGAGATGTATCAGTGTAGAGAAAACCGTGAAGAGATGCC TTTTGGNACACTNTCAAGCATACTGATNNGAAGAGTNCCTTAANACAGCTTNCAGCCAGA AGCCTGCCTGAAAAAGATGGGTNCCACTGCCACCGTGTGTCTGGCTGTAGACACATTCTT TATTTTGCACCTCGNAGAAGTCGGCCATCTTTGTGTCGTATATGGAGGAAATCAAAACC TGCAGNCTTAAGCTNAGCAGAGCTAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030768 unedited</p> <pre>CCTCTTATTTACAACCATGGGAGTCCCACAGNAGTACAAAAACACAAATGTGCACACA CACAAAATGAACCTTTTAAAGTCAATACCATGCGTGTCTCTGGCCGCGCCACCCCTCAG TGCCCTATCCGCACCACCATCACAGTGACGTTGTGCGCCGAGCCCGCTGCACCCGCTTG TTGGCCAGCCTGTTGACAGCTGCTTCGTAGCGGCGTGGCTGCGGACTTCCCTTCCCGG GTCTGGATCTTTTCATCCTCGAGACAGGACAAGATGAAGTTCACGGCTTCTTCTGGGGTA AAGACCTTGAAGAGCCCATCACAGGCCAACAAAATGAACCTGTCAATGGGGGTGACGTGG CAGCGTGTGATGTCGGGCACAGAGGTGACACCCGACGCGTTGACTGCCCGTCCCATGG AGCGTGACACCTTAGCAGCCTCAACACGCCCCATCCCTGACGTTTCTCNCAGCCTTCTG TATCCTCATCCGCTCTTTATACTGAGTTGGAATATGCTTCTTGTGAGGCTTAAGGCTGC ATATAAAGAATGTTGTCTACAGCCAGAACCACACTGGCAGGGACCAATTTTTACGGAAG GTTTTTGCTGAAACTTGGCCATGAATTTTATCCGCTTGAAGGGTCCAAAGGCTC TCCTTATCGTTTTTTAACTGATAACTTTGCTTTAGGAATTTCTGATAATTTCTGATGC CATTCTGGCCACTCCATTTAGGGTCCAATTCTCCCTGCCTCANAACCCGCAATTTGAAT CTCCCCTATTTGGCTAGGGTGGCCTACCTTTCGGCGTTTCTTACCGATTACCGGCACTC CGTTCCCCCTTTTACCTTGCCATATTATTAGCCCTTAACCAAAAAACCCAAAGGTTTT AAACTCTTTATAAAACCTTTCCGCCACTTCTTCCCCCGGTGTATCCTCGTTCCTTTT TATGTTACCACCGGGAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_030768
Insert Size:	1730 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: [NM_030768.2](#), [NP_110395.1](#)

RefSeq Size: 1480 bp

RefSeq ORF: 1179 bp

Locus ID: 80895

UniProt ID: [Q9H0C8](#)

Cytogenetics: 2q37.3

Domains: PP2C

Protein Families: Druggable Genome, Phosphatase

Gene Summary: The protein encoded by this gene is a protein serine/threonine phosphatase of the PP2C family. This protein can interact with integrin-linked kinase (ILK/ILK1), a regulator of integrin mediated signaling, and regulate the kinase activity of ILK. Through the interaction with ILK, this protein may selectively affect the signaling process of ILK-mediated glycogen synthase kinase 3 beta (GSK3beta), and thus participate in Wnt signaling pathway. [provided by RefSeq, Jul 2008]