

Product datasheet for **SC320320**

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: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_030768.2
GGTGACTGACGGCGCCGCCGCCCTGCCCGTCGCCCGCCGCTGCTGCCGCCGCCCGG
GGTGTGGAGCCCGCCGCTGCTCGGGGCTGAGTGTCTGTGCTGCCGCTCCACCC
AGCCTCCGCCATGGACCTCTTCGGGACCTGCCGAGCCCGAGCGCTCGCCGCGCCCGGC
TGCCGGGAAAGAAGCTCAGAAAGGACCCCTGCTCTTTGATGACCTCCCTCCGGCCAGCAG
TACTGACTCAGGATCAGGGGACCTTTGCTTTTTGATGATCTCCACCCGCTAGCAGTGG
CGATTCAGGTTCTTGGCCACATCAATATCCCAGATGGTAAAGACTGAAGGAAAGGAGC
AAAGAGAAAAACCTCCGAGGAAGAGAAGAATGGCAGTGAAGAGCTTGTGAAAAGAAAGT
TTGTAAGCCTCTTCGGTATCTTTGGTCTGAAGGGCTATGTGGCTGAGCGGAAGGGTGA
GAGGGAGGAGATGCAGGATGCCACGTCATCCTGAACGACATCACCGAGGAGTGTAGGCC
CCCATCGTCCCTCATTACTCGGGTTTCATATTTTGTGTTTTGATGGACATGGAGGAAT
TCGAGCCTCAAAAATTTGCTGCACAGAATTTGCATCAAACTTAATCAGAAAATTTCTAA
AGGAGATGTAATCAGTGTAGAGAAAACCGTGAAGAGATGCCTTTTGGACACTTTCAGCA
TACTGATGAAGAGTTCCTTAAACAAGCTTCCAGCCAGAAGCCTGCCTGGAAAGATGGGTC
CACTGCCACGTGTGTTCTGGCTGTAGACAACATTTTATATTGCCAACCTCGGAGATAG
TCGGGCAATCTTGTGCTTATAATGAGGAGAGTCAAAAACATGCAGCCTTAAGCCTCAG
CAAAGAGCATAATCCAACCTCAGTATGAAGAGCGGATGAGGATACAGAAGGCTGGAGGAAA
CGTCAGGGATGGGCGTGTGTTGGGCGTGTAGAGGTGTACGCTCCATTGGGACGGGCA
GTACAAGCGCTGCGGTGTCACCTGTGCCCCGACATCAGACGCTGCCAGCTGACCCCAA
TGACAGGTTCAATTTTGTGCGCTGTGATGGGCTTTCAAGGTCTTTACCCAGAAAGAAGC
CGTGAACCTTCATCTTGTCTGTCTCGAGGATGAAAAGATCCAGACCCGGGAAGGAAAGTC
CGCAGCCGACGCCGCTACGAAGCAGCCTGCAACAGGCTGGCAACAAGGCGGTGCACGG
GGGCTCGGCCGACAACGTCACTGTGATGGTGGTGCAGATAGGGCACTGAGGGGTGGCGG
CGGCCAGGACACGCATGGTATTGACTTAAAAGTTTCAATTTGTGTGTGCACATTGTG
TGTTTTGTACTCCTGTGGGACTCCCATGTTGTAATAAAGGTTTCTTTTTTTTCC
TAAA



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Restriction Sites:	Please inquire
ACCN:	NM_030768
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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]