

Product datasheet for **SC319053**

katanin p80 (KATNB1) (NM_005886) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	katanin p80 (KATNB1) (NM_005886) Human Untagged Clone
Tag:	Tag Free
Symbol:	katanin p80
Synonyms:	KAT; LIS6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_005886.2
TTCAGGTGCCAGCCAGCTGAAGGATGGCCACCCCTGTGGTCACCAAGACAGCCTGGAAGT
TGCAAGAGATCGTCGCGCATGCCAGCAACGTGTCTCACTGGTGTGGGCAAAGCCTCCG
GGCGGCTGCTGGCTACAGGCGGGATGACTGCCGCGTCAACCTGTGGTCCATCAACAAGC
CCAACTGCATCATGAGCCTGACGGGCCACACATCCCCAGTGGAGAGCGTCCGCTCAACA
CCCCGAGGAGCTCATCGTGGCCGGCTCTCAGTCGGGCTCCATCCGTGTCTGGGACCTGG
AAGCTGCCAAAAATCTTCGCACACTCATGGGACACAAAGCCAACATCTGCAGCCTGGATT
TCCACCCGTACGCGAGTTTGTAGCCTCTGGTTCCCAGGACACAAACATCAAGCTCTGGG
ACATCAGGAGGAAAGGCTGTGTCTTCCGATACAGGGGGCACAGCCAGGCCGTGCGGTGTC
TCCGGTTCAGCCCCGATGGGAAGTGGTTGGCGTCGGCCGAGATGACCACACCGTGAAGC
TCTGGGATCTCACTGCCGCAAGATGATGTCTGAGTTCCTGGTCAACGGGGCCTGTCA
ACGTGGTCGAGTTTACCCCAACGAGTACCTCCTGGCCTCCGGCAGCTCTGACAGGACAA
TCCGCTTCTGGGACCTGGAGAAGTTCCAGGTGGTGAAGTGCATCGAAGGGGAGCCTGGGC
CCGTGAGGAGCTCCTTCAACCCAGATGGCTGCTGCCTGTACAGCGGCTGCCAGGACT
CACTGCGTGTCTACGGCTGGGAACCTGAGCGGTGCTTTGATGTGGTCTCGTCAACTGGG
GCAAGGTGGCCGACCTGGCCATCTGCAATGACCAGTTGATAGGTGTGGCCTTCTCCCAGA
GCAACGTCTCCTCTACGTGGTGGATCTGACGCGTGTACCAGGACTGGCACGGTGGCCC
GGGACCTGTGCAGGACCACCGCCCTGGCACAGCCACTGCCAACCCAGCGCCCCC
TCCGGCGCATCTATGAGCGGCCAGCACAACTGCAGCAAGCCTCAGAGGGTGAAGCAGA
ACTCAGAGAGCGAGCGCCGAGCCCCAGCAGCGAGGATGACCGGGACGAGCGGAGTCCC
GCGCGGAGATCCAGAACCGCGAGGACTACAACGAGATCTCCAGCCCAAGAACAGCATCA
GTCGGACGCCACCCGGAGAAGTGAAGCCCTCCCTGCACCCCAAGAGGACGACGAGCCA
CAGCAAAGGAGGACAGCAAAGCCAGCCCTGCCATGGATGTGAGTTCCTGGTGGCAATC
TGGAGGTCTGCCCGGCCCCAGTGGTTGCTTCCACACCTGCACCCAAGGCTGAGCCTG
CCATCATCCCTGCCACCCGGAACGAGCCATCGGGCTGAAGGCCTCCGACTTCTGCCCG
CCGTGAAGATCCCCAGCAGGCCGAGCTGGTGGACGAGGATGCCATGTCACAGATCCGCA
AAGGCCACGACACCATGTGTGTGGTGTCTACCAGCGCCACAAGAACCTGGACACTGTGC
GGGCTGTGTGGACATGGGCGACATCAAGACGTCGGTGGACTCCGCTGTGGCCATCAACG
ACCTGTGCGTGGTGGTGGACCTCCTGAACATCGTCAACCAGAAAGCCTCCCTGTGGAAGC
TGGACCTGTGCACCACCTCCTGCCACAGATTGAGAAGCTTCTGCAGAGCAAGTATGAGA
GCTACGTCCAGACGGGCTGCACCTCCCTGAAGCTGATCCTGCAGCGGTTTCTGCCCTCA
TCACAGACATGTGGCGGCCACCCCTCTGTGGTGTGGATATCAGCAGGGAGGAGAGGC
TGCATAAGTGCCGGCTCTGCTACAAGCAGCTTAAGAGCATCAGCGGCCTGGTCAAGAGCA
AGTCAGGCCTGAGCGGCCGCGCATGGCAGTACCTTCCGCGAGCTGCACCTGCTCATGGCCA
GTCTGGACTGAGGAAAGCAGTGGGCAGGGGCGCTCGGCAGCCACAGGGCCTGGCCTCAG
CCCCACTCCTGTTCCTTGTGCACCCACTGGCCCATGAGCCTCTGCCTGGCCCCCTGCTGC
TGTCTGTGGCCGCTCCTGGAGGAGGTGATGCTGGTCCCTGGCCACCTCTACAGCCCTGAA
CTCTTGAGACAACTCTCAGCAATAGCTGCCAGCTTGGCCAACTGTTGCTTCTTGG
GGCAGCGAACTGAGCCCTGGGGCTGCTGCTGTAATTTATAAGGCAAATTTTATTAATTT
GTAACATTAATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005886

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:	<u>NM_005886.2</u> , <u>NP_005877.2</u>
RefSeq Size:	2661 bp
RefSeq ORF:	1968 bp
Locus ID:	10300
UniProt ID:	<u>Q9BVA0</u>
Cytogenetics:	16q21
Domains:	WD40
Gene Summary:	Microtubules, polymers of alpha and beta tubulin subunits, form the mitotic spindle of a dividing cell and help to organize membranous organelles during interphase. Katanin is a heterodimer that consists of a 60 kDa ATPase (p60 subunit A 1) and an 80 kDa accessory protein (p80 subunit B 1). The p60 subunit acts to sever and disassemble microtubules, while the p80 subunit targets the enzyme to the centrosome. Katanin is a member of the AAA family of ATPases. [provided by RefSeq, Jul 2008]