

Product datasheet for MC224233

Ktn1 (NM_008477) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ktn1 (NM_008477) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ktn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224233 representing NM_008477 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGTACGAGTCAACGTATTTTGTGTCCTCATCCCTTCAGTAGTTATTACCGTCATTTTCCTTT
 TCTTCTGGCTTTTCATGAAAGAAACATTATATGATGAAGTTCTTGCAAAACAAAAAGAGAGCAAAAGTT
 GATTTCTACAAAAACAGATAAAAAAGAAGGCAGAAAAAGAAGAATAAAAAAGAAAGAAATCCAGAATGGG
 ACCCTTCGTGAATCTGATTCTGAGCACGTGCCTCGGGACTTTAAATTATCCGATGCTTCTCCCGCGGAGG
 ATGAACAGTTTGTACCTGCTCCACTGAATGTGGCAGAACTTCCAGTAGTTAGGGAAAGAAAGAAAGAA
 GGAGAAGAAACAAAAACCTTCCCTTGAAGAGCAGGTCATCAAAGAAAGTGATGCATCAAAGATCCGAGGC
 AAAAAAGTGGAACCTGTCTAGTTACCAAAACAGCCGGCCCCACCCCAACCCCTCGAAGCAGCTGCCTTGA
 AGAAGAAAGCAGGGCAGAGAAGTCTAAAAATGGAAGCGAAGAGCAAGATAAAAAAGGTGGAATGCTGAT
 GGCACCTTCAAAGAGCAGGACGTGTTGCTTCCCATCAAGACACTAAGCAAGAAGGTGGACTAGGAAAG
 AAGAAAGGCTTGTCAAAGAAGCAAAAGTCAGAAAATGTTGCAGTCTTGGTAGACGAGCCCCTTATTCATG
 CAACTACTTACATTCTTTGGATAATGCTAACTCAAATCTCATGATGGATAAGAGAGAAATTATTGATAT
 GATTAACCTGATCATGTTGAAGGAATCCAGAAATCTGGAACAAAAAGCTGAAGATTGAACTGACAAA
 GAAAATGCTGAAGTGAAATTTAAAGATTTCTTCTGTCCTTGAAGACTATGATGTTTTCTGAAGATGAAG
 CTCTTTGTGTTGTAGACCTGCTGAAGGAAAAGTCTGGTGTGATAAAAGAAGCTTTAAAGAAGTCGAATAA
 AGGAGAACTGAGTGGTCTTCTGCATCAACTTCAGGAGAAGGAGAGGCTGCTCTCTGCCATGAAGGAAGAT
 GCTGCTGCCTCAAAGGAGCGCTGTAAGCAGTTGACTCAGGAAATGATGACAGAGAAAGAAAGAAGCAGTG
 TTGTTATAGCAAGAATGAAAGATCGGATTGGAACACTAGAAAAGGAACACAATATATTTCAAACAAAAAT
 GCATGCCAGTTACCAAGAGACTCAGCAGATGCAGATGAAGTTTCAGCAAGTTACAGAACAAATGGAAGCA
 GAGATAGCTCATTTGAAGCAGGAAAAATGGTATCCTGAGAGATGCTGTGAGTAACTACAAACCAACTGG
 AAAGCAAGCAATCCGAGAGCTAAATAAAGTGCCTCAAGACTGTGGGAGGCTGGTGAAGTGAAGTGAACGA
 GAAGACAGGAAAGCTGCAGCAAGAGGAGTCCAGAAGAAGAATGCGGAGCAAGCTGCTACCCAGCTCAAG
 GTTCAACTGCAAGAAGCTGAGAGGCGCTGGGAAGAAGTTTCAGAGCTACATCAGGAAGAGGACGGCGGAGC
 ATGAGGCTGCCAGCAAGATTTACAAAGTAAATTTGTGGCCAAAGAAAATGAAGTCCAGAGTCTACATAG


[View online »](#)

TAAGCTCACAGACACCTTGGTATCAAAACAGCAATTGGAGCAAAGACTAATGCAGTTGATGGAATCCGAG
 CAAAAGAGGGCGAGCAAAGAAGAGTCTCTGCAGATCCAAGTGCAGGATATTTTGGAAACAAACGAGGCTT
 TGAAAGCTCAGATTCAACAATTCATTCCCAGATAGCAGCTCAGACCTCCGCTTCAGTTCTAGCAGAAGA
 ATTACATAAAGTGATTGCAGAAAAGGACAAGCAGCTAAAGCAGACTGAAGATTCATTAGCGAATGAACAG
 GATCACTTAGCAAGCAAGGAGGAGGAGCTTAAGGATGTACAGAATATGAATTTCTTATTAAGCTGAAG
 TGCAGAAATTGCAGGCCCTGGCTAATGAGCAGGCTGCTACCGCACATGAGGTGGAGAAGATGCAGAAGAG
 TATTCACGTAAAGGAAGATAAAATAAGACTGCTTGAGGAGCAGCTGCAGCACGAAGTTGCCAGCAAAATG
 GAAGAATTGAAGATTCTGAGTGAGCAGAATAAAGCATTACAGTCGGAAGTTCAGAACTGCAGACCGCTG
 TTTCTCAGCAGCCTAATAAAGATGTTGTGGAACAAATGGAATAATGCATTCAAGAAAAAGATGAGAAGTT
 AAGGACTGTGGAAGAATTACTGGAGACTGGACTCATTGAGTGGCCACCAGAGAGGAGGAGCTGAGTGCC
 ATAAGAACAGAGAATCCACCCTGACCAGAGAAGTTCAAGAGTTGAAGGCTAAGCAGAGCGATCAGGTTT
 CTTTTGTGTCTAATTGAAGATCTTAAGAGAGTGATCCATGAGAAAGATGGACAGATCAAGTCTGTGGA
 AGAGCTTCTAGAAGTTGAACTTCTCAAAGTTGCAATAAGGAGAAAAGTCCAGGCTTTGAAACAGGAA
 ATAGAGGTTCTAAAGAAGAAATAGGAAATGCCAGCTTGAAAAGGCTCACCAGCTGTCTGTCACTTCTC
 AAGTCCAGGAGCTGCAGAACTTATTAAGAGGCAAGGAAGAGCAGGTGAACAGCATGAAGGCTGCCTTAGA
 AGACAGGGACAGAGACCTGAGAGGGAGAGGGACGTGCGCACAGGTGTGTTGACACCACAATTTGAAGAA
 CTTGAAAGTGTTGAAAGAAAAGGACAATGAAATTAAGAGAATAGAAGTTAAATTAAGGACACCGAGA
 GTGATGTTTCTAAGATGTCAGAGCTATTAAGGAGGTACAAGAGGAAAATAAATTCCTTAAGTGCCAGCT
 CAGTCACCAGAAGCACCACAGGCATCTTTCCCTCTCAGGAAGAATTACAAACAGTAATTTAGAAAAA
 GAGAAAGAAATACTGATCTCTGCAATGAGTTAGAGTCTTTGAAGAATGCTGTTGAACACCAGAGGAAGA
 AAAACAATGACCTTCGGGAGAAAACTGGGAAGCAATGGAAGCTTTGGCATCACTGAAAAAATGCTGCA
 GGACAGAGTGAACAAGACTTCCAAGGAAAGACGCAACACGTGGAAGCTATTGAGTTAGAGTCCAAAGAC
 CTTCTGAAGAGGTTATTTCCAACGGTGTCTGTCCCTTCTAATTTGAATTACAGTGAATGGTTGCGTGGCT
 TTGAAAAGAAAGGCAAAAGCGTGCGTAGCTGGAACCTCAGACGCAGAGGCGGTCAAGGTTTTGGAGCACAG
 ATTGAAAGAAGCTAGTGAGATGCACACTTTGCTACAGCTGGAATGTGAAAAATACAAGTCGGTCCTTGCA
 GAAACAGAAGGGATTTTGCAAAAACCTCAGCGAAGTGTGGAGCAAGAAGAAAGTAAATGAAAAATTAAG
 CTGACGAGTCTCAAAGGATGATTAACAGATGCAGTCTCTCTCAGGCCTCAGAGCGAGAGCTAGAGCG
 ACTAAGACAAGAAACAAAGATATGGAGAATCTGAGAAGAGAAAGAGAGCATTTGAAATGGAGCTAGAG
 AAGGCCGAGATGGAGCGATCGACTTACGTGATGGAAGTCAGAGAGCTGAAAGATCTGTTGACTGAGTTGC
 AGAAAAAGCTTGATGATTCATATTCTGAAGCAGTAAGACAGAATGAAGAGCTTAAGTCTCAAGACACA
 GTTAAATGAAACACACTCAAACTTCAAAATGAACAAACGAGAGAAAGAAAGGTAGCTGATGATTTGCAT
 AAGGCTCAACAGTCCCTGAAGTCTATCCACTCAAAAATCTCACTGAAAGCTGCTGGAGACACTGTTGTTA
 TTGAGAACAGTGATATTTCCCAGAAATGGAGTCTCTGAGAAAGAGACGATGTCTGTAAGTCTCAATCA
 GACTGTGACACAGTTACAGCAATTGCTTCAGGAAGTAAATCAACAACCTCACAAGGAGACATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_008477

Insert Size:

3984 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_008477.2, NP_032503.2</u>
RefSeq Size:	4511 bp
RefSeq ORF:	3984 bp
Locus ID:	16709
UniProt ID:	<u>Q61595</u>
Cytogenetics:	14 C1
Gene Summary:	Receptor for kinesin thus involved in kinesin-driven vesicle motility. Accumulates in integrin-based adhesion complexes (IAC) upon integrin aggregation by fibronectin (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).