

Product datasheet for **SC113447**

C20orf19 (KIZ) (NM_018474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf19 (KIZ) (NM_018474) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIZ
Synonyms:	C20orf19; HT013; Kizuna; NCRNA00153; PLK1S1; RP69
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018474, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCGGACCCTCGCATCGGCCGTGCCCTGTGCGAGTCCCGACTACTACGAGAGGCTGGGCCAACTCC
AGCACGGGCTGCGGGACAGTGAAAAGAAGAGATTGGACCTGAAAAAGAACTTTATGAATATAATCAGTC
TGATACATGCAGAGTTAAGCTGAAATATGTAAGAACTAAGAATTATCTGAAGGAAATATGTGAATCTGAA
AAGAAGGCTCATACTCGAAACCAAGAATATTTAAAGCGATTTGAGCGTGTCCAAGCTCATGTTGTACACT
TCACCACAAATACAGAGAAGCTTCAAAAACTGAAGCTCGAATATGAGACTCAAATTAAGAAGATGCTATG
CTCAAAAGATAGCCTGGGACTAAAAGAGGAACTGACAGATGAAGACAGAGAAAAGGTTGCAGTGCACGAG
GGGATTAAGTCAAGAACAGCCATGTCAAGAGGATTGTATCAACCAGCAACAATCTTTATGGGCCGCCAAA
TGTCAGCCATCTAAGCATGAGAGATTTCAAGTACAGAGCACAATCTCCCAGCCACAAAAGAACTTTTC
AATTCCTGACCCACATTCACACCCAGACAGCCAGAGCAGTAAATGTGACAGACAGCTGTGTAGTACAA
ACTAGTAATGACACACAGTGCTTAAATAAGTCTGACAACATAGATGGAAGGCATCTCTTCAGATTGGTG
AGAAAATGCCAGTCACAGCCAGTGTATTGTCTGAGGAGGAACAACTCATTGCTTGAGATAGGAAGTAA
CACACGTCATGGCAAGAGTAATTTATCTGAAGGCAAAAAGTCTGCTGAACCAATCCCCGTTACGGGAA
AGATTAAGTCCAGAGAACAGAACCAGTATTTAAAGTGTGACAGTTCAGCGGATCAGAGGGAGAAATAC
TGACACGGGAACATATTGAAGTTGAGGAAAAAGGCCAGCCCGCAGTCTCTCCGATACCAGTTTCAGA
ATACTGTGAATCTGAAAAAAGTGGTCTCAAGAGAAGCATTCTCCTTGGGAAGGTGTTTCAGATCATCTT
GCTCACAGGGAACCAAAGTCACAAAAGCCCTTCAGAAAAATGCAGGAAGAGGAGGAGAAAGTTGGAGCA
CCAGCAGTGACCTTACCATTTCAATAAGTGAAGATGATCTGATTTTAGAGAGCCAGAACACAGCCAAA
TCCAGGTGGCAAGATGGAGGGAGAAGATGGAATAGAGGCCTTAAAATTAATCCATGCTGAGCAAGAAGA
GTTGCCCTATCCACTGAAAAAAATTTGATTTTGCAAAACCTAAGCTCTCCTGATTCAGAAAAGAACTCCT
CCACTAACGCACCAACAAGAGAACCTGGACAAAACACAGACTCAGACGTACCGAGGGCACAGGTGGGTCA
GCATGTTGCCACCTTGAAGAACATGATAATTCTGTCAAAGAAGAGGCAACAGCATTATTGAGAAAAGCC
CTTACAGAAGAGTGTGGCCGTAGGTGAGTATTACAGTGTGAATCATCTTGCAGCTTGCCATCTATTCT
TGAATGACAATAGTGAATAAAGGAAGCCAAACCTGCTGTATGGCTCAACAGTGTTCCTACAAGGGAACA
AGAAGTTTCAAGTGGCTGTGGAGACAAGAGCAAGAAAGAAAATGTGGCTGCAGATATCCCAATCACAGAA
ACAGAAGCCTATCAGTTGCTGAAGAAGGCCACCCTTCAGGATAATACAAATCAAAGTAAAACAGGTTTC
AAAAGACAGATGCTTCTGTGTCACACTTGTGAGTTTGAATATTGGCAGCGGTGCATTGAGACAAAAGC
AGCTAACAAAATGCTTCGGAAGCTAGTTTTTCATCTAGTGAAGGAAGTCTTTTGTCAAGGCATGAAAAC
AAAAAGAAAACCCGTGATCAATTTAAAATCTAATGCCCTCTGGGATGAGTCTGATGACAGTAACTCAGAAA
TTGAGGCTGCTTACGCCCCAGAAACCATAACACCCGATGATTCTGATGATTTTTATGACTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018474 unedited

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NGGTTTTAAAATTTGTATACGACTCATATAGGCGGCCGGAATTCGGCACCAGATTGGTG
TAGAAAATGCCAGTCACAGCCAGTGTATTGTCTGAGGAGGAACAACTCATTGCTTGGAG
ATAGGAAGTAACACACGTCATGGCAAGAGTAATTTATCTGAAGGCAAAAAGTCTGCTGAA
CTCAATTCCTCCGTTACGGGAAAGATTAAGTCCAGAGAACAGAACCAGTATTTAAAGTGT
GACAGTTCAGCGGATCAGAGGGAGAAAATCTGACACGGGAACATATTGAAGTTGAGGAA
AAAAGAGCCAGCCCGCCAGTCTCTCCGATACCAGTTTCAGAATACTGTGAATCTGAAAAT
AAGTGGTCTCAAGAGAAGCATTCTCCTTGGGAAGGTGTTTCAGATCATCTTGCTCACAGG
GAACCAAAGTCACAAAAGCCCTTCAGAAAAATGCAGGAAGAGGAGGAGGAAAGTTGGAGC
ACCAGCAGTGACCTTACCATTTCAATAAGTGAAGATGATCTGATTTTAGAGAGCCAGAA
CCACAGCCAAATCCAGGTGGCAAGATGGAGGGAGAAGATGGAATAGAGGCCTTANAATTA
ATCCATGCTGAGCAAGAAAGAGTTGCCCTATCCACTGAAAAAAATTTGATTTTGCAAACC
CTAAGCTCTCCTGATTCAGAAAAGGAATCTCCACTAACGCACCAACAAGAGAACCCTGGA
CAAACACCAGACTCAGACGTACCGAGGGCACAGTGGGTGAGCATGTTGCCACCCTTGAA
AGACATGATAATTCTGTCAAAGAGAAGCAACAGCATTATTGAGAAAAGCCTTACAGAAG
AGTGTGGCCCGTAGTCAGCTATCACAGTAATGGATCATCTTGCAGCTTGCCATCTATTCT
GAATGACAATAGTGGGAATAAGGC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018474 unedited CTTGAACGCGCCGCATCTANATCGAGTTTTTTTTTTTTTTTTTTAGTTTGTAAAGAC TTTATTTGAAACCAATGTCACAGCAGTTAGTCATAAAAATCATCAGAATCATCGGTGTT ATGGTTTCTGGGGCGTAAAGCAGCCTCAATTTCTGAGTTACTGTCATCAGACTCATCCCA GAGGGCTGGAAAATAAAACCAGACAGTTATTTAACATTTTGCATTCTGGTTAAGAGCTT ACAAACAGCACAGCACGGAAGGACTGGTTAAGCAGAGTGCAGTCTGCAAAATGCATAA CAGGGACACCACATGATGTACCTGACCAGACACCCAAATGCATGTCATACTGCACAAA TTACACATTGCAAAGTGTCTCTGCACTGTTATGGAAAACAATTCGCAGAATACTTCC TTTCCCTTCTGTTGTGCCCAACTCTTTATTATACGACAGGGATTTAAGGTCAGTGCTAC CTGGACGCACGGTTCCTGAGGTGCCCCCACTCTCCGAGCCCCCACCACAACCGCCC CTCCCTCTTCTCTCCCTTTCTCCCTTGGCCCTCCCATACGACCCTTGC GTTGACTC CCCTCTCCATTTTCTCTCTCTCCGACCGCGCCCTTTTGTCTCCCTCCTTCCCC CCGCCTTATCTCCCCGCCTTGCTATTCCGTCCATCGCGCCCTGTAGCGTTCGGACT CCGTTTTTCTCCGTCCCCGTTTTCCACATCCGCCACGCTCCATACACCCTATCTGC CCACGGCCCATCGCGTCCCCCACTCTTAATTCTCTCCCTCCCCCGTCCCTATTTTCC CTATTCCTCCGTCCTCCATTTCTGTCGAGTCTCTCTCTCCCTCCCCCCCCCGCGTCATCC GCTAGTACATCCGGCATCTCATCCCTCCCCGTTTACGCGTTCGTTACCCCTCCCTAT CCATCCTCCCGGTATCCCTCTCGCCCCCTTCTATCCTTTCTCCGTCCGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_018474
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:	<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_018474.2 , NP_060944.2
RefSeq Size:	2329 bp
RefSeq ORF:	2022 bp
Locus ID:	55857
UniProt ID:	Q2M2Z5
Cytogenetics:	20p11.23

Gene Summary:

The protein encoded by this gene localizes to centrosomes, strengthening and stabilizing the pericentriolar region prior to spindle formation. The encoded protein usually remains with the mother centrosome after centrosomal duplication. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).