

Product datasheet for **RG228965**

C20orf19 (KIZ) (NM_001163022) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf19 (KIZ) (NM_001163022) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIZ
Synonyms:	C20orf19; HT013; Kizuna; NCRNA00153; PLK1S1; RP69
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228965 representing NM_001163022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCTCGAATATGAGACTCAAATTAAGAAGATGCTATGCTCAAAGATAGCCTGGGACTAAAAGAGG
 AACTGACAGATGAAGACAGAGAAAAGTTGCAGTGCAGGAGGGGATTAACCTCAGGAACAGCCATGTCAAG
 AGGATTGTATCAACCAGCAACAATCTTTATGGGCCGCAATGTGAGCCATCTTAAGCATGAGAGATTTT
 AGTACAGAGCACAAATCTCCCCAGCCCACAAAGAACTTTTCAATTCCTGACCCACATTCACACCGACAGA
 CAGCCCAGAGCAGTAATGTGACAGACAGCTGTGTAGTACAACTAGTAATGACACACAGTGTAAATAA
 GTCTGACAACATAGATGGAAAGGCATCTTTCAGATTGGTGAAGAACGCCAGTACAGCCAGTGTATTG
 TCTGAGGAGGAACAACTCATTGCTTGGAGATAGGAAGTAACACACGTCATGGCAAGAGTAATTTATCTG
 AAGGCAAAAAGTCTGCTGAACCTCAATCCCGTTACGGGAAAGATTAAGTCCAGAGAACAGAACCTGTA
 TTTAAAGTGTGACAGTTCAGCGGATCAGAGGGAGAAATACTGACACGGGAACATATTGAAGTTGAGGAA
 AAAAGAGCCAGCCCGCCAGTCTCTCCGATACCAGTTTCAGAATACTGTGAATCTGAAAATAAGTGGTCTC
 AAGAGAAGCATTCTCTTGGGAAGGTGTTTCAGATCATCTTGCTCACAGGGAACCAAAGTACAAAAGCC
 CTTCAGAAAAATGCAGGAAGAGGAGGAGGAAAGTTGGAGCACCAGCAGTACCTTACCATTTCAATAAGT
 GAAGATGATCTGATTTTAGAGAGCCAGAACACAGCCAAATCCAGTGGCAAGATGGAGGGAGAAGATG
 GAATAGAGGCCTTAAATTAATCCATGCTGAGCAAGAAAGAGTTGCCCTATCCACTGAAAAAATTTGAT
 TTTGCAAAACCCTAAGCTCTCTGATTGAGAAAAGGAATCCTCCACTAACGCACCAACAAGAGAACCTGGA
 CAAACACAGACTCAGACGTACCGAGGGCACAGGTGGTTCAGCATGTTGCCACCTTGAAAGAACATGATA
 ATTTCTGTCAAAGAAGAGCAACAGCATTATTGAGAAAAGCCCTTACAGAAGAGTGTGGCCGTAGGTCGCC
 TATTCACAGTAGTGAATCATCTTGACAGTTGCCATCTATTCTGAATGACAATAGTGAATAAAGGAAGCC
 AAACCTGCTGTATGGCTCAACAGTGTCTTACAAGGGAACAAGAAGTTTCAAGTGGCTGTGGAGACAAGA
 GCAAGAAAGAAAAATGTGGCTGCAGATATCCCAATCACAGAAACAGAAGCCTATCAGTTGCTGAAGAAGGC
 CACCCCTCAGGATAATACAAATCAAACGAAACAGGTTTCAAAGACAGATGCTTCTGTGTACACTTG
 TCAGGTTTGAATATTGGCAGCGGTGCATTCGAGACAAAGACAGCTAACAAAATTGCTTCGGAAGCTAGTT
 TTTTCATCTAGTGAAGGAAGTCTTTGTCAAGGCATGAAAAACAAAAGAACCCGTGATCAATTTAAATC
 TAATGCCCTCTGGGATGAGTCTGATGACAGTAACCTCAGAAATTGAGGCTGCTTTACGCCCCAGAAACCAT
 AACACCGATGATTCTGATGATTTTTATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228965 representing NM_001163022
 Red=Cloning site Green=Tags(s)

MQLEYETQIKKMLCSKDSLGLKEELTDEDREKVAVQEGINSGTAMSRGLYQPATIFMGRQMSAILSMRDF
 STEHKSPQPTKNFSIPDPHSHRQTAQSSNVTDSCVYQTSNDTQCLNKSNDIDGKASLQIGEKTPVTASVL
 SEEEQTHCLEIGSNTRHGKSNLSEGKSAELNSPLRERLSPENRTDLKCDSSSGSEGEILTREHIEVEE
 KRASPPVSPIPVSEYCESENKWSQEKHSPWEGVSDHLAHREPQSQKPFKMQEEEEESWSTSSDLTISIS
 EDDLILESPEPQPNPGGKMEGEDGIEALKLIHAEQERVALSTEKNCILQTLSSPDSEKESSTNAPTREPG
 QTPDSDVPRAQVGHVATLKEHDNSVKEEATALLRKALTEECGRRSAIHSSESSCLPSILNDNSGIKEA
 KPAVWLNVPTRQEVSSGCGDKSKKENVAADIPITETEAYQLLKKATLQDNTNQTENRFQKTDASVSHL
 SGLNIGSGAFETKTANKIASEASFSSSEGSPLSRHENKKKPVINLKSALWDESDDSNSEIEAALRPRNH
 NTDDSDDFYD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001163022.1 , NP_001156494.1
RefSeq Size:	2166 bp
RefSeq ORF:	1713 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]