

Product datasheet for **RG211262**

C20orf19 (KIZ) (NM_018474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf19 (KIZ) (NM_018474) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C20orf19
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:

>RG211262 representing NM_018474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCGGACCCTCGCATCGGCCGTGCCCTGTGCGAGTCCCAGTACTACGAGAGGCTGGGCCAACTCC
 AGCACGGGCTGCGGGACAGTGAAAAGAAGAGATTGGACCTGGAAGAACTTTATGAATAAATCAGTC
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 TCACCACAAATACAGAGAAGCTTCAAAACTGAAGCTCGAATATGAGACTCAAATTAAGAAGATGCTATG
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 AAAAAGAAACCCGTGATCAATTTAAATCTAATGCCCTCTGGGATGAGTCTGATGACAGTAACTCAGAAA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

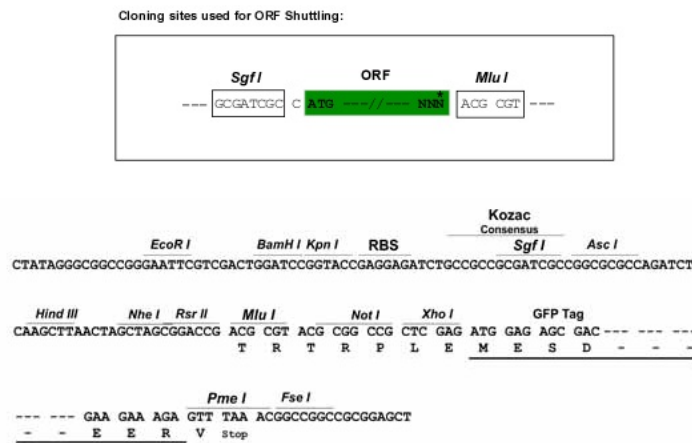
Protein Sequence: >RG211262 representing NM_018474
 Red=Cloning site Green=Tags(s)

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MSRTLASAVPLSSPDYYERLQQLQHGLRDSEKKRLDLEKKLYEYNQSDTCRVKLYVVKLNKYLKEICESE
KKAHTRNQEYLRKRFERVAHVVFHTTNEKQLKLEKETQIKKMLCSKDSLGLKEELTDEDREKAVVQE
GINSGTAMSRGLYQPATIFMGRQMSAILSMRDFSTEHKSPQPTKNFSIPDPHSHRQTAQSSNVTDCVVQ
TSNDTQCLNKSDNIDGKASLQIGEKTPVTASVLSSEEQTHCLEIGSNTRHGKSNLSEGKKS AELNSPLRE
RLSPENRTDLKCDSSSGSEGEILTREHIEVEEKRASPPVSPVSEYCESENKWSQEKHSPWEGVSDHL
AHREPKSQKPFKMQEEEEESWSTSSDLTISISEDDLILESPQPMPNGGKMEGEDGIEALKLIHAEQER
VALSTEKNCILQTLSSPDSEKESSTNAPTREPQTPDSDVPRAQVGHVATLKEHDNSVKEEATALLRKA
LTEECGRRS AIHSSSESSCLPSILNDNSGIKEAKPAVWLVNSVPTREQEVSSGCGDKSKKENVAADIPITE
TEAYQLLKKATLQDNTNQTENRFQKTDASVSHLSGLNIGSGAFETKTANKIASEASFSSSEGSPLSRHEN
KKKPVINLKSNALWDESDDSNSEIEAALRPRNHNTDSDDFYD
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018474

ORF Size: 2019 bp

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:

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_018474.3](#), [NP_060944.3](#)

RefSeq Size: 2184 bp

RefSeq ORF: 2022 bp

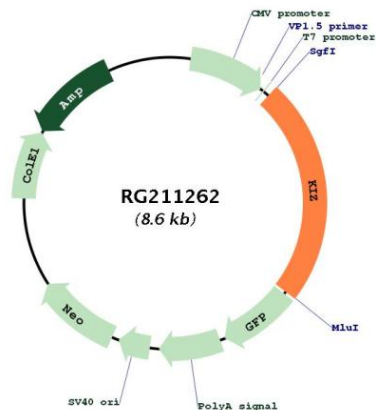
Locus ID: 55857

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]

Product images:



Circular map for RG211262