

Product datasheet for **RG231370**

RING finger protein unkempt like (UNKL) (NM_001193388) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RING finger protein unkempt like (UNKL) (NM_001193388) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RING finger protein unkempt like
Synonyms:	C16orf28; ZC3H5L; ZC3HDC5L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG231370 representing NM_001193388
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCGTCGGTTTCGAAAGCGGCGCAGCGGCGCTGAGCGGGTCCCCCGCAGACTGAGAAGCCGACCC
 ACTACAGGTACCTGAAGGAGTTCAGGACGAGCAGTGCCCCCTGTTTTCACAGCACAAGTGCGCGCAGCA
 CCGGCCGTTACCTGCTTCCACTGGCACTTCTCAACCAGCGGCCCGCAGGCCCTCCGACGGCGCAG
 GGCACCTTCAACTACAGCCCCGACGTGTACTGCTCCAAGTACAACGAAGCCACCGCGTGTGCCCGACG
 GCGACGAGTGTCCCTACCTGCACCGGACGACGGGGACACAGAACGAAGTACCACCTGCGTTACTACAA
 AACAGGAACCTGCATCCACGAGACAGACGACGTGGCCACTGCGTGAAGAATGGGCTGCACTGTGCCTTC
 GCGCACGGCCCCCTGGACCTGCGGCCGCCGTGTGTGACGTGAGGAGCTGCAGGCCAGGAAGCCTTGC
 AGAACGGCCAGCTGGGCGCGGGGAAGGGGTCCCGGATCTGCAGCCTGGGGTCTTGGCCAGCCAGGCCAT
 GATTGAGAAGATCCTGAGCGAGGACCCCCGGTGGCAAGATGCCAACTTCGTGCTGGGCAGCTACAAGACG
 GAGCAGTGCCCGAAGCCGCCACGCCTGTCCCGCCAGGGCTATGCGTGCCACACTACCACAATAGCCGGG
 ACAGGCGGCGCAACCCCCGGCGGTTCCAGTACAGTCCACGCCCTGCCCCAGTGTGAAGCACGGGATGA
 GTGGGGGGAACCTCACGCTGCGATGGCGGCGACGGCTGCCAGTATTGCCACTCCCGCACGGAGCAGCAG
 TTCCATCCCGAGTCTACAAAATGCAACGACATGCGCCAAACCGGGTACTGCCCGCGCGGCCCTTCTGTG
 CCTTTGCACACGTTGAGAAGAGCCTGGGGATGGTGAATGAATGGGGTGTACGACCTCCACCTCACGAG
 TCCTTCTCCACGGGCGAGCGGCCAGCGGGAATGCCAAGCGGAGAGACTCGCCGGCCGAGGGTGGCCCT
 AGGGGCGAGCAGCAAGACAGCAAGCAGAACACCTGGCCGTGTTTGCAGCGGTCCACCCGCCGGCCCCCA
 GCGTGAGCTCCAGCGTGGCGTCCAGCCTGGCGTCCAGCGCCGGCTCCGGCAGCTCCTCCCCACTGCGCT
 GCGCGCGCCCCCGCCGTGCCCTCCCGCTCGGCCCGCCAGCAGCACTGTGGAGGCCGTCTCGGTTCT
 GCGTTAGACCTGCATCTTAGCAATGTGAATATTGCATCCCTAGAGAAGGACCTGGAAGAGCAAGACGGCC
 ACGACCTGGGAGCAGCAGGTCCAGGTGCTGGCGGCTCTGCACCTGTGCGCATCCCGGCTCCCTGCC
 CAGAGCACCATCGCTACACTCGCATCCTCTGCGTCCACCTCGCCGCTCGGTTGCTGTCCAGCCCCCTC
 CCAGGGCCGGTGGGCTCCTCAGCCATGACGCTCCCCAGCAGCCGCCACCCCTGCGTTACAGAGCCGGCA
 CACTGGGCTCTGCAGCCTCATCCTACAGCCCCCTAGGTTTGAACGGTGTCCCGGGAGCATCTGGGACTT
 TGTTTCCGGCAGTTCTCCCCAGCCCCCTCCCCATCCTGAGTGCCGGCCCCCATCCTCTTCGAGTGCA
 AGTCCAAACGGAGCTGAGCTGGCCCGGGTCAGGCGGCAGCTGGACGAGGCCAAGAGGAAGATCCGGCAGT
 GGGAGGAGTCTTGGCAGCAGGTGAAGCAGGTCTGCGATGCCTGGCAGCGAGAGGCCAGGAGGCCAAGGA
 GCGTGCCCGTGTGGCCGATAGCGACCGGAGCTGGCGTGCAGAAGAAGGAGGAGGTGGAGGCACAGGTG
 ATCTTCCAGCTCCGCGCCAAGCAGTGTGTGGCCTGCCGGGAGCGGGCCACGGTGTCTGCGGCCCT
 GTCAGCACCATCCTCTGTGAGCCGTGTGCGGCCACCGACCTGAGTGCCCTACTGCAAGGGCCAGCC
 CCTGCAGTGG

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG231370 representing NM_001193388
Red=Cloning site Green=Tags(s)

MPSVSKAAAAALSGSPPTQTEKPTHYRYLKEFRTEQCPLFSQHKCAQHRPFTCFHWHFLNQRRRPLRRRD
 GTFNYSPPDVYCSKYNEATGVCPDGDCEPYLHRTTGDTKRYHLRYYKTGTCTHETDARGHCVKNGLHCAF
 AHGPLDLRPPVCDVRELQAQALQNGQLGGGEGVDPDLQPGVLASQAMIEKILSEDPRWQDANFVLGSYKT
 EQCPKPPRLCRQGYACPHYHNSRDRRRNPRRFQYRSTPCPSVKHGDEWGEPSRCDGGDGCQYCHSRTEQQ
 FHPESTKCNMRQTGYCPRGPFCAFAHVEKSLGMVNEWGCHDLHLTSPSSTGSGQPGNAKRRDSPAEGGP
 RGSEQDSKQNHLLAVFAAVHPPAPSVSSSVASSLASSAGSGSSSPTALPAPPARALPLGPASSTVEAVLGS
 ALDLHLSNVNIASLEKDLQDGHDLGAAGPRSLAGSAPVAIPGSLPRAPSLHSPSSASTSPLGSLSQPL
 PGPVGSSAMTPPQQPPPLRSEPTLGSAASSYSPLGLNGVPGSIWDFVSGSFSPSPSPILSAGPPSSSSA
 SPNGAELARVRRQLDEAKRKIRQWEESWQVKQVCDAWQREAEAKERARVADSDRQLALQKKEEVAQV
 IFQLRAKQCVACRERAHGAVLRPCQHHILCEPCAATAPECPYCKGQPLQW

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001193388

ORF Size: 2040 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_001193388.1](#), [NP_001180317.1](#)

RefSeq Size: 5109 bp

RefSeq ORF: 2052 bp

Locus ID: 64718

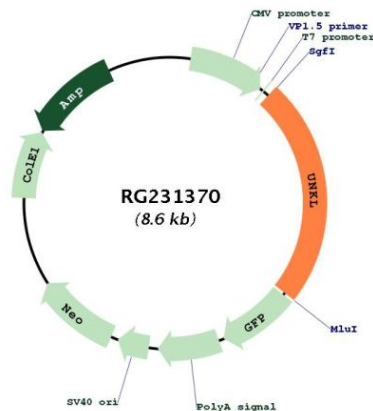
UniProt ID: [Q9H9P5](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

Gene Summary: This gene encodes a RING finger protein that may function in Rac signaling. It can bind to Brg/Brm-associated factor 60b and can promote its ubiquitination. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RG231370