

Product datasheet for **RC231370**

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:	Myc-DDK
Symbol:	RING finger protein unkempt like
Synonyms:	C16orf28; ZC3H5L; ZC3HDC5L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC231370 representing NM_001193388
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCGGTTTCGAAAGCGGCGGCAGCGGCGCTGAGCGGGTCCCCCGCAGACTGAGAAGCCGACCC
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 CCGGCCGTTACCTGCTTCCACTGGCACTTCTCAACCAGCGGCCGCGCAGGCCCTCCGCGAGGCGGAC
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 AGGGGCGAGCAGCAAGACAGCAAGCAGAACCACCTGGCCGTGTTTGCAGCGGTCCACCCGCCGCCGCCA
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 GCGTTAGACCTGCATCTTAGCAATGTGAATATTGCATCCCTAGAGAAGGACCTGGAAGAGCAAGACGGCC
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 TGTTTCCGGCAGTTCTCCCCAGCCCCCTCCCCATCCTGAGTGCCGGCCCCCATCCTCTTCGAGTGCA
 AGTCCAAACGGAGCTGAGCTGGCCCGGTCAGGCGGCAGCTGGACGAGGCCAAGAGGAAGATCCGGCAGT
 GGGAGGAGTCTTGGCAGCAGGTGAAGCAGGTCTGCGATGCCTGGCAGCGAGAGGCCAGGAGGCCAAGGA
 GCGTGCCCGTGTGGCCGATAGCGACCGGAGCTGGCGCTGCAGAAGAAGGAGGAGGTGGAGGCACAGGTG
 ATCTTCCAGCTCCGCGCCAAGCAGTGTGTGGCCTGCCGGGAGCGGGCCACGGTGTCTGTGCGGCCCT
 GTCAGCACCATCCTCTGTGAGCCGTGTGCGGCCACCGACCTGAGTGCCCTACTGCAAGGGCCAGCC
 CTTGCAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231370 representing NM_001193388
 Red=Cloning site Green=Tags(s)

MPSVSKAAAAALSGSPPTKEPTHYRYLKEFRTEQCPLFSQHKCAQHRPFTCFHWHFLNQRRRRPLRRRD
 GTFNYSPPDVYCSKYNEATGVCPDGDCEPYLHRTTGDERKYHLRYKGTGTCTHETDARGHCVKNGLHCAF
 AHGPLDLRPPVCDVRELQAQALQNGQLGGEGVVDLQPGVLASQAMIEKILSEDPRWQDANFVLSYKT
 EQCPKPPRLCRQGYACPHYHNSRDRRRNPRRFQYRSTPCPSVKHGDEWGEPSRCDGGDGCQYCHSRTEQQ
 FHPESTKCNMRQTGYCPRGPFCAFAHVEKSLGMVNEWGCHDLHLTSPSSTGSGQPGNAKRDRSPAEGGP
 RGSEQDSKQNLAVFAAVHPPAPSVSSSVASSLASSAGSGSSSPTALPAPPARALPLGPASSTVEAVLGS
 ALDLHLSNVNIASLEKDLQDGHDLGAAGPRSLAGSAPVAIPGSLPRAPSLHSPSSASTSPLGSLSQPL
 PGPVGSSAMTPPQQPPPLRSEPTLGSAASSYSPLGLNGVPGSIWDFVSGSFSPSPSPILSAGPPSSSSA
 SPNGAELARVRRQLDEAKRKIRQWEESWQVKQVCDWQREAEAKERARVADSDRQLALQKKEEVAQV
 IFQLRAKQCVACRERAHGAVLRPCQHILCEPCAATAPECPYCKGQPLQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8072_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193388

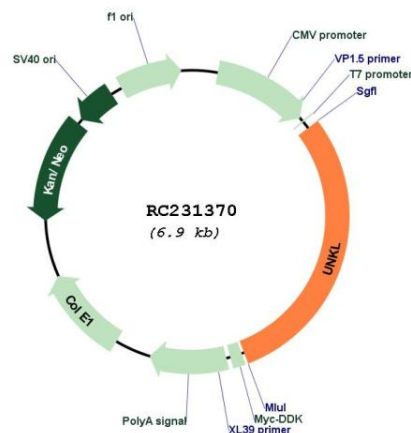
ORF Size: 2040 bp

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](#)

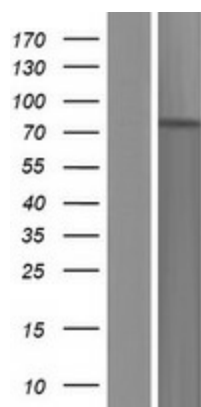
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001193388.1, NP_001180317.1</u>
RefSeq ORF:	2052 bp
Locus ID:	64718
UniProt ID:	<u>Q9H9P5</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	74.7 kDa
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 RC231370



Western blot validation of overexpression lysate (Cat# [LY434369]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231370 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).