

Product datasheet for **RC214684**

RING finger protein unkempt like (UNKL) (NM_001037125) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RING finger protein unkempt like (UNKL) (NM_001037125) 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)
ORF Nucleotide Sequence:	>RC214684 representing NM_001037125 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGTCGGTTTCGAAAGCGGCGGCAGCGGCGCTGAGCGGGTCCCCCGCAGACTGAGAAGCCGACCC
 ACTACAGGTACCTGAAGGAGTTCAGGACGGAGCAGTGCCCCCTGTTTTCACAGCACAAAGTGC GCGCAGCA
 CCGGCCGTTACCTGCTTCCACTGGCACTTCTCAACCAGCGGCGCCGAGGCCCTCCGAGGCGCGAC
 GGCACCTTCAACTACAGCCCCGACGTGTACTGCTCCAAGTACAACGAAGCCACCGGCGTGTGCCCCGACG
 GCGACGAGTGTCCCTACCTGCACCGGACGACGGGGACACAGAACGAAGTACCACCTGCGTTACTACAA
 AACAGGAACCTGCATCCACGAGACAGACGACGTGGCCACTGCGTGAAGAATGGGCTGCACTGTGCCTTC
 GCGCACGGCCCCCTGGACCTGCGGCCGCCGCTGTGTGACGTGAGGGAGCTGCAGGCCAGGAAGCCTTGC
 AGAACGGCCAGCTGGGCGGCGGGGAAGGGGTCCCGGATCTGCAGCCTGGGGTCTTGGCCAGCCAGGCCAT
 GATTGAGAAGATCCTGAGCGAGGACCCCGGTGGCAAGATGCCAACTTCGTGCTGGGCAGCTACAAGACG
 GAGCAGTGCCCGAAGCCGCCACGCCTGTGCCGCCAGGGCTATGCGTGCCCACTACCACAATAGCCGGG
 ACAGGCGGCGCAACCCCGGCGGTTCCAGTACAGCTGGCAGCTGGGACGCCGGGTCTTAGGCTGAGTCC
 CAGGGCCAACAACCCAAGGTCGCCCTGCCAGGTGCACACAGGACCTTCTCCACCGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC214684 representing NM_001037125
 Red=Cloning site Green=Tags(s)

MPSVSKAAAAALSGSPPTKEKPTHYRKLKEFRTEQCPLFSQHKCAQHRPFTCFHWHFLNQRRRRLRRRD
 GTFNYSVDVYCSKYNEATGVCPDGDECPYLHRTTGDTERKYHLRYYKTGTCTIETDARGHCVKNGLHCAF
 AHGPLDLRPPVCDVRELQAQALQNGQLGGEGVVDLQPGVLASQAMIEKILSEDPRWQDANFVLGSYKT
 EQCPKPPRLCRQGYACPHYHNSRDRRRNPRRFQYSWQLGRRVLRSPRANNPRVALPRVHTGPSSTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037125

ORF Size: 831 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: [NM_001037125.4](#)

RefSeq Size: 1401 bp

RefSeq ORF: 834 bp

Locus ID: 64718

UniProt ID: [Q9H9P5](#)

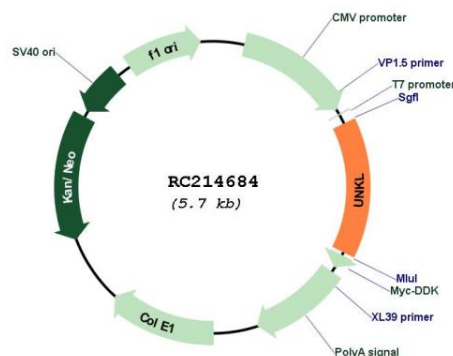
Cytogenetics: 16p13.3

Protein Families: Druggable Genome

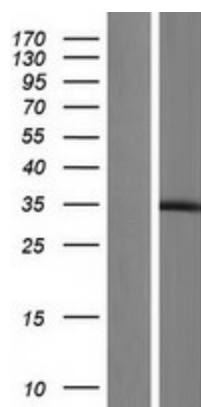
MW: 31.6 kDa

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]

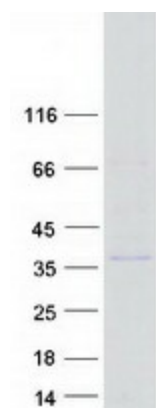
Product images:



Circular map for RC214684



Western blot validation of overexpression lysate (Cat# [LY422146]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214684 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UNKL protein (Cat# [TP314684]). The protein was produced from HEK293T cells transfected with UNKL cDNA clone (Cat# RC214684) using MegaTran 2.0 (Cat# [TT210002]).