

Product datasheet for **RC201508**

KIAA1333 (G2E3) (NM_017769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1333 (G2E3) (NM_017769) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1333
Synonyms:	KIAA1333; PHF7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC201508 representing NM_017769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAAAGTAAACCTGGTACTCACAGAACCTTGCTTGTGTTTTCTGTCGAAAAACATGATGACTGTC
 CTAATAAATACGGAGAAAAGAAAACCTAAGGAGAAATGGAATCTCACTGTACATTACTACTGTTTGTGAT
 GTCAAGTGGAAATTTGGCAGAGAGCAAAGAAGAAGGAGTTTATGGTTTTCTAATAGAAGATATCAGG
 AAGGAAGTGAATAGAGCTTCTAAACTGAAATGCTGTGTTTGAAGAAAAATGGTGCCTCAATTGGATGTG
 TTGCACCCCGATGTAACGAAGTTATCATTTCCCATGTGGACTTCAGAGAGAATGATTTTCCAGTTTAC
 TGGCAATTTTGCCTCATTTTGTGGGACCATCGACCTGTTCAAATAATTACATCTAATAATTATAGAGAG
 TCCTTACCATGCACCATTTGCTTGGAAATTTATTGAGCCTATTCCAAGTTATAACATATTACGAAGTCCTT
 GTTGTAAGAACGCTTGGTTTCATAGAGACTGTTTACAGGTTCAAGCAATAAATGCGGGAGTGTTTTTCTT
 TAGGTGTACAATATGCAATAATAGTGACATCTTTCAGAAAAGAGATGTTGAGAATGGGAATTCATATTCCT
 GAAAAAGATGCTTCTGGGAATTAGAGGAAAACGCTTATCAAGAGCTTCTGCAGCACTATGAGCGTTGTG
 ATGTTGCAAGATGTGCTTGCAGAAAGAGGCGAGACTATAATGCACCTGATAGCAAATGGGAAATAAAGCG
 CTGTCACTGTTGTGGTTCCAGTGGCACACATTTAGCCTGCTCCTATTACGGTCAATGGGAGCAAAATTTGG
 GAGTGTGTTGGAATGTAGGGGATTATCTACAATTCAGGAGAGTTCAAAAAGCCAAAAACATGTATTAC
 CCAATTTAATAATGTGGGGATTACAGATTGTTTGTGGAAAGAGTCATCACCTAAATTACCCAGACAGTC
 ACCTGGATCCCAGAGTAAAGATCTACTGAGGCAAGGCAGCAAATTTAGAAGAAATGTATCAACACTATTA
 ATAGAGTTAGGATTCCAAATTAATAAAAAAACTAAAAGATTGTATATCAACAAAGCCAATATCTGGAATA
 GTGCCTTAGATGCATTCAGAAATCGAAACTTTAATCCTTCATATGCAATTGAAGTAGCATATGTTATTGA
 AAATGATAATTTTGAAGTGAGCATCCTGGATCAAAGCAAGAATTTCTGAGTCTCTTAATGCAACATCTT
 GAGAACTCATCATTGTTTGAAGGTCCTTGTCAAAGAACTTGCTCTAAATTTCTCAAGCTCTGAAAGAGA
 ATCTTTACTATGAAGCTGGCAAAATGCTTGCCATTTCTTTAGTTCACGGTGGTCTTTCACCTGGTTTCTT
 TTCTAAAACCTTGTAACTGCCTTGTGTTATGGACCAGAAAAATACCCAGCCAATTTTAGATGATGTTTCA
 GACTTTGATGTGGCACAGATTATAATCAGGATAAATACTGCAACAACGTAGCTGACTTAAAGTCAATAA
 TAAATGAATGCTATAACTACCTTGAGTTAATTGGATGTCTCAGACTTATAACGACATTAAGTATAAATA
 TATGTTAGTAAAAGACATACTTGGCTACCATGTAATTCAGAGAGTCCACACACCTTTGAAAGTTTTAAG
 CAGGGTCTGAAAACCTTGGTGTGTTTGGAGAAAATTCAGGCTTATCCAGAAGCATTTTGTAGCATCCTGT
 GTCATAAACCTGAGAGTCTTCTGCAAAAATCCTTAGTGAGCTTTTACAGTACACACATTACCTGATGT
 GAAAGCTTTGGGTTTTTGAACAGTTACTTACAGGCTGTTGAAGATGGTAAATCTACAACAACAATTGGAA
 GACATTCTATTTTTGCAACTGGTTGCAGTTCCATTCTCCAGCTGGATTTAAACCCACTCCTTCAATTG
 AGTGTCTGCATGTGGATTTTCTGTTGGAAACAAGTGAATAACTGTTTAGCAATTTCCATCACCAATAC
 ATATAAAGAGTTTCAAGAAAATATGGACTTCACCATAAGAACAACCTCTAAGACTAGAAAAGGAAGAAAGT
 TCTCATTACATTGGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201508 representing NM_017769
Red=Cloning site Green=Tags(s)

MNESKPGDSQNLACVFCRKHDDCPNKYGEKKTKEKWNLTVHYYCLLMSSGIWQRGKEEGVYGLIEDIR
 KEVNRASKLKCCVCKKNGASIGCVAPRCKRSYHFPCGLQRECIFQFTGNFASFCWDHRPVIITSNNYRE
 SLPCTICLEFIEPIPSYNILRSPCKNAWFHRDCLQVQAINAGVFFRCTICNNSDIFQKEMLRMGIHIP
 EKDASWELEENAYQELLQHYERCDVRRRCRCKEGRDYNAPDSKWEIKRCQCCGSSGTHLACSSLRSWEQNW
 ECLECRGIIYNSGEFQKAKKHVLPNSNNVGITDCLLEESSPKLPRQSPGSQSKDLLRQGSKFRRNVSTLL
 IELGFQIKKTKRLYINKANIWNSALDAFRNRNFNPSYAIEVAYVIENDNFGSEHPGSKQEFLLMLQHL
 ENSSLFEGSLSKNLSLNSQALKENLYYEAGKMLAISLVHGGPSPGFFSKTLFNCLVYGPENTQPIILDDVS
 DFDVAQIIIRINTATTVADLKSINECNYLELIGCLRLITTLSDKYMLVKDILGYHVIQRVHTPFESFK
 QGLKTLGVLEKIQAYPEAFCSILCHKPESLSAKILSELFTVHTLPDVKALGFWNSYLQAVEDGKSTTTME
 DILIFATGCSSIPPAGFKPTPSIECLHVDFVGNKCNNCLAIPITNTYKEFQENMDFIRNTRLREKEES
 SHYIGH

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017769

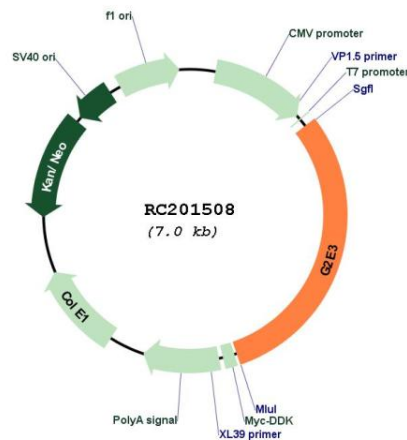
ORF Size: 2118 bp

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017769.5</u>
RefSeq Size:	5581 bp
RefSeq ORF:	2121 bp
Locus ID:	55632
UniProt ID:	<u>Q7L622</u>
Cytogenetics:	14q12
Domains:	HECT
Protein Families:	Druggable Genome, Transcription Factors
MW:	80.5 kDa
Gene Summary:	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Essential in early embryonic development to prevent apoptotic death.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201508

