

Product datasheet for **RG201508**

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:	TurboGFP
Symbol:	KIAA1333
Synonyms:	KIAA1333; PHF7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG201508 representing NM_017769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAAAGTAAACCTGGTACTCACAGAACCTTGCTTGTGTTTTCTGTCGAAAAACATGATGACTGTC
 CTAATAAATACGGAGAAAAGAAAACCTAAGGAGAAATGGAATCTCACTGTACATTACTACTGTTTGTGAT
 GTC AAGTGG AATTTGGCAGAGAGCAAAGAAGAAGGAGTTTATGGTTTTCTAATAGAAGATATCAGG
 AAGGAAGTGAATAGAGCTTCTAACTGAAATGCTGTGTTTGAAGAAAAATGGTGCCTCAATTGGATGTG
 TTGCACCCCGATGTAACGAAGTTATCATTTCCCATGTGGACTTCAGAGAGAATGATTTTCCAGTTTAC
 TGGCAATTTTGCCTCATTTTGTGGGACCATCGACCTGTTCAAATAATTACATCTAATAATTATAGAGAG
 TCCTTACCATGCACCATTTGCTTGG AATTTATTGAGCCTATTCCAAGTTATAACATATTACGAAGTCCTT
 GTTGTAAGAACGCTTGGTTTCATAGAGACTGTTTACAGGTTCAAGCAATAAATGCGGGAGTGTTTTTCTT
 TAGGTGTACAATATGCAATAATAGTGACATCTTTCAGAAAAGAGATGTTGAGAATGGGAATTCATATTCCT
 GAAAAAGATGCTTCTGGGAATTAGAGGAAAACGCTTATCAAGAGCTTCTGCAGCACTATGAGCGTTGTG
 ATGTTTCGAAGATGTCGTTGCAAAGAAGGGCGAGACTATAATGCACCTGATAGCAAATGGGAAATAAAGCG
 CTGTCACTGTTGTGGTTCCAGTGGCACACATTTAGCCTGCTCCTATTACGGTCAATGGGAGCAAAATTTGG
 GAGTGTGTTGGAATGTAGGGGATTATCTACAATTCAGGAGAGTTCCAAAAAGCCAAAAACATGTATTAC
 CCAATTTAATAATGTGGGGATTACAGATTGTTTGTGG AAGAGTCATCACCTAAATTACCCAGACAGTC
 ACCTGGATCCCAGAGTAAAGATCTACTGAGGCAAGGCAGCAAATTTAGAAGAAATGTATCAACACTATTA
 ATAGAGTTAGGATTTCAAATTA AAAAAAAAAACTAAAAGATTGTATATCAACAAAGCCAATATCTGGAATA
 GTGCCTTAGATGCATTCAGAAATCGAAACTTTAATCCTTCATATGCAATTGAAGTAGCATATGTTATTGA
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 GACTTTGATGTGGCACAGATTATAATCAGGATAAATACTGCAACAACGTAGCTGACTTAAAGTCAATAA
 TAAATGAATGCTATAACTACCTTGAGTTAATTGGATGTCTCAGACTTATAACGACATTAAGTGATAAATA
 TATGTTAGTAAAAGACATACTTGGCTACCATGTAATTCAGAGAGTCCACACACCTTTGAAAGTTTTAAG
 CAGGGTCTGAAAACCTTGGTGTGTTTGGAGAAAATTCAGGCTTATCCAGAAGCATTTTGTAGCATCCTGT
 GTCATAAACCTGAGAGTCTTCTGCAAAAATCCTTAGTGAGCTTTTACAGTACACACATTACCTGATGT
 GAAAGCTTTGGGTTTTTGAACAGTTACTTACAGGCTGTTGAAGATGGTAAATCTACAACAACAATTGGAA
 GACATTCTATTTTTGCAACTGGTTGCAGTTCCATTCTCCAGCTGGATTTAAACCCACTCCTTCAATTG
 AGTGTCTGCATGTGGATTTTCTGTTGGAAACAAGTGAATAACTGTTTAGCAATTTCCATCACCAATAC
 ATATAAAGAGTTTCAAGAAAATATGGACTTCACCATAAGA AACTCTAAGACTAGAAAAGGAGAAAGT
 TCTCATTACATTGGACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201508 representing NM_017769
 Red=Cloning site Green=Tags(s)

MNESKPGDSQNLACVFCRKHDDCPNKYGEKKTKEKWNLTVHYYCLLMSSGIWQRGKEEGVYGLIEDIR
 KEVNRASKLKCCVCKKNGASIGCVAPRCKRSYHFPCGLQRECIFQFTGNFASFCDWHRPVIITSSNNYRE
 SLPCTICLEFIEPIPSYNILRSPCCKNAWFHRDCLQVQAINAGVFFFRCTICNNSDIFQKEMLRMGIHIP
 EKDASWELEENAYQELLQHYERCDVRRRCRCKEGRDYNAPDSKWEIKRCQCCGSSGTHLACSSLRSWEQNW
 ECLECRGIIYNSGEFQKAKKHVLPNSNNVGITDCLLEESSPKLPRQSPGSQSKDLLRQGSKFRRNVSTLL
 IELGFQIKKTKRLYINKANIWNSALDAFRNRNFNPSYATIEVAYVIENDNFGSEHPGSKQEFLSLLMQHL
 ENSSLFEGSLSKNLSLNSQALKENLYEAGKMLAISLVHGGPSPGFFSKTLFNCLVYGPENTQPIILDVVS
 DFDVAQIIIRINTATTVADLKSIIINECYNYLEIGCLRLITTLSDKYMLVKDILGYHVIQRVHTPFESFK
 QGLKTLGVLEKIQAYPEAFCSILCHKPESLSAKILSELFTVHTLPDVKALGFWNSYLAQAVEDGKSTTTME
 DILIFATGSSIPPAGFKPTPSIECLHVDFPVGKCNCLAIPIITNTYKEFQENMDFITRNLRLKEES
 SHYIGH

TRTRPLE - GFP Tag - V

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:

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_017769.5](#)

RefSeq Size: 5581 bp

RefSeq ORF: 2121 bp

Locus ID: 55632

UniProt ID: [Q7L622](#)

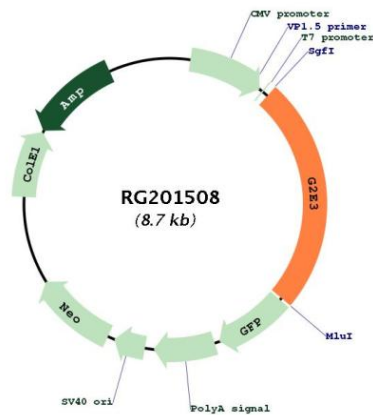
Cytogenetics: 14q12

Domains: HECT

Protein Families: Druggable Genome, Transcription Factors

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 RG201508