

Product datasheet for **RG206320**

KIAA2013 (NM_138346) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA2013 (NM_138346) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA2013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206320 representing NM_138346
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCTGCAGCAGCGGCTCAAGGGGCTGCCGGGACTGCTGTCGAGCAGCTGGGCCCGCCGCTCTCT
 GCCTGCTTGGCCCTCTGCTGCTGCTTCTGTGGTTTGGGGGTCCGCGCGCGGGCGGGCGGGCGCCCT
 GCACCTGCTGCCCTGGTCCCGCGGTGAGCCGGGCGCCGCGAGCCGTCTGCCTGCCTGGAGGCGGCCACC
 CGCGCCTGGCGGGCCTGCGGGAGCGGGTGGAGTGGTACCGCTGGGCTCTGGAGTCCGGCCCTGGTGG
 CCAACGGCTTCTGGCCCTGGACGTGGCTGCCAATCGGCTGTGGGTGACTCCCGGGAGCGGGAGCCCGC
 CGTGGCGCGGACTTTGTGCCCTTCGTGCAGCTGCGCCCGCTGAGCGCGTGGCTGAAGCTGGAGAGGGC
 GTGCTGCTGCTGCGGGAGGGCTTCTGCGCCGCTGCGTTCCTGCAGCTGGGGTCCCAGGCTCTGGCC
 CCGTGGCCCGCGCCCGGGCCCGCTCCGTCTCTGGCTTGCCGCGGGTCCGGCCGCGACTGCGTGTCT
 GCTGCAAGAGGACTTTCTGGCGCACAGGGGCCACCCACGTCTACCTGCAGCGCATCCAGCTCAACAAC
 CCCACGGAGCGCGTGGCCGCGCTGCAGACTGTGGGGCCACTGCCGGCCAGCCCAAGGCCTTACCA
 GTACCCTGGAGAAGTCCGAGACCATCAGTTCCTCCTCTACTCAGGCCGGTCCCCGCTACGCCACTGG
 GTTGGTGCACCTGGTGGTGGTGGCCGCCAAGAAGCTGGTGAACCGCTCCAAGTGGCTCCAAGACGCAG
 CTGGATGAGACGGTGTGTGGTGGTGCACGTCTCTGGCCCCATTAACCCCAAGTGTCAAAGCAAAG
 CAGCCAAGGAGCTCAAGGCGCTGCAGGACTTGGCACGGAAGAAATGCTGGAGCTCTTGGACATGCCAGC
 GGCGGAGCTGCTCAAGACCACAGCTCCTCTGGGCTCAGCTCTCAGCCAGGAGTGGAAATGAAGAAG
 ATCACTGACACCCACACCGCTCTGGCCTCACCGTGAACCTGACGCTCTATTACATGCTCTCTCTCGC
 CAGCCCCACTGCTCAGCCCCCTCCCTGAGCCACAGGGAGCGAGACCAGATGGAGTGCAGCTCAACTATGA
 AGATCACTGCTTACAGCGGCACGCCACCATGCACGCCGAGAACCCTGTGGCCGGGCGGCTGTCTCCGTC
 CAGCAGATCCTGCAGCTCTCTGACCTGTGGAGGCTGACCTCCAGAAGCGTGGCTGCAAGGGGCTGGTGA
 AGGTGGTGGCCAGGCATCCTGCAGGGGATGGTGTCTCAGCTTTGGGGGCTGCAGTTACACAGAAACCA
 CCTCCAGTTCAGGCCGACCCGACGTGCTGCACAACAGCTATGCATTGCATGGCATCCGCTACAAGAAC
 GACCATATCAACCTGGCCGTGCTGGCGGATGCCGAGGGCAAGCCCTACCTACACGTGTCCGTGGAGTCCC
 GTGGCCAGCTGTCAAGATCTATGCCTGCAAGGCAGGCTGCCTGGACGAGCCAGTGGAGTGCACCTCGGC
 GCCACGGGCCACACCTTCTCGGTATGGTGCACAGCCATCACGCCACTGCTCTACATCTCCACCGAC
 CTCACACACCTGCAGGACCTGCGGCACACGCTGCACCTCAAGGCCATCCTGGCCATGATGAGCACATGG
 CCAGCAGGACCCCGGGCTGCCCTTCTCTTCTGGTTACGCGTGGCTCCCTAATCACCCCTTCCACCT
 CTCTCTTCAAGCTCATCTACAACGAGTACTGTGGCCCTGGAGCCAAGCCCTCTCAGGAGTAAGGAA
 GATCCCAGTGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206320 representing NM_138346
 Red=Cloning site Green=Tags(s)

MWLQQRLLKGLPGLSSSWARRLLCLLGLLLLLLWFGGSGARRAAGLHLLPWSRGEPAEAPSACLEAAT
 RAWRGLRERGEVPLGPGVPALVANGFLALDVAANRLWVTPGEREPVAVPDFVPFVQLRPLSALAEAGEA
 VLLLREGLLRVRCLQLGSPGPGVAAGPGPASVSGLAAGSGRDCVLLQEDFLAHRGRPHYVLQRIQLNN
 PTERVAALQTVGPTAGPAPKAFTSTLEKVGDPHFLLYSGRSPPTGLVHLVVVAKKLVNRLQVAPKTQ
 LDETVLWVVHVSQPINPQVLKSKAAKELKALQDLARKEMLELLDMPAAELLQDHQLLWAQLFSPGVEMKK
 ITDHTPSGLTVNLTLYMLSCSPAPLLSPSLSHRERDQMESTLNIEDHCFSGHATMHAENLWPGRLSSV
 QQILQLSDLWRLTLQKRGCKGLVKVGAPGILQGMVLSFGGLQFTENHLQFQADPDVHLNSYALHGIRYKN
 DHINLAVLADAEGKPYLHVSVESRQDPVKIYACKAGCLDEPVELTSAPTGHTFSVMVTQPIPLLYISTD
 LTHLQDLRHTLHLKAILAHDEHMAQQDPGLPFLWFVSVASLITLFLFKLIYNEYCGPGAKPLFRSKE
 DPSV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_138346

ORF Size: 1902 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_138346.3](#)

RefSeq Size: 2832 bp

RefSeq ORF: 1905 bp

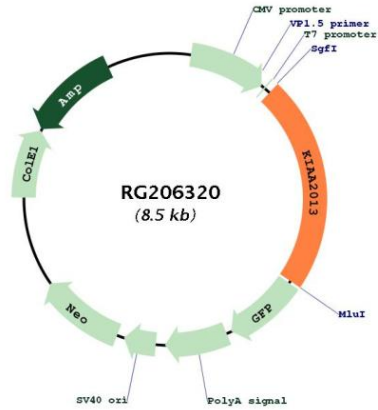
Locus ID: 90231

UniProt ID: [Q8IYS2](#)

Cytogenetics: 1p36.22

Protein Families: Transmembrane

Product images:



Circular map for RG206320