

## Product datasheet for **RG212001**

### KIAA1045 (PHF24) (NM\_015297) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1045 (PHF24) (NM_015297) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA1045
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212001 representing NM_015297 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGTGTTGATGTCCAAGCGGCAGACAGTGGAGCAGGTGCAGAAGGTGAGTCTGGCTGTGTCTGCTT  
TCAAGGATGGGCTGCGGGACAGGCCTTCCATCCGACGCACAGGTGAGCTGCCAGGGTCCC GCCGTGGCAC  
TGTAGAGGGCTCCGTCCAGGAGGTACAGGAGGAGAAGGAAGCAGAAGCAGGAACCTCGGTGGTCCAGGAA  
GAGAGTAGTGCCGCGCCGCGCAGCCTGGGAGCGGCTCCGAGATGGGCGCGGCGTGGAGCCTGAGGAGTTTG  
ACAGGACAAGTCGATTACACCCCCTGCGTTTCATCCGCCCCACCCGGAAGCTGGATGATGACAAACCTCC  
AGAAATCTGCCTGGAGCCCAGAGAGCCTGTTGTCAACGATGAGATGTGTGATGTTTGTGAGGTCTGGACA  
GCTGAGAGCCTTCCCGTGCAGGGTCTGCACCAGGGTTTTCCATGATGGCTGCCTGCGCCGCATGGGCT  
ACATCCAAGGAGACAGTGCAGCGGAGGTGACGGAGATGGCCACACAGAAACAGGCTGGAGCTGCCACTA  
CTGTGACAACATCAACTTGCTGCTTACTGAGGAGGAAAATGTATAGCCTCACGGAGACCTTTCAGCGGTGT  
AAAGTCATCCCTGATTGCTCCCTGACACTGGAGGACTTCTGCGTTACCGCCACCAAGCAGCCAAGCGGG  
GGGACCGTGACAGGGCCCTGAGTGAGGAGCAAGAAGAGCAGGCGGCCCGCCAGTTTGTGCCCTGGACCC  
TGAACATCGAGGCCACATAGAGTGGCCTGACTTCTGTCCATGAGTCCCTCCTGCTTCTGCAGCAGTTG  
CGTCCCCAGAACTCTCTGTTGAGGCTTCTGACAGTGAAGGAGCGGGAGCGAGCCCCGAGCCGCTTCTCTGG  
CTCGGGGAGTGGGAGCACCGTCACTGAGGAGAGTGGCCCGGGCCAGCACTCTTGGTTTTGCAAACG  
GTTCCCAGAGGCTCCTTCTGAGTGTGACATCAGCCATGTGGGTCCCATCGCAGATAGCAGCCAGCC  
AGCAGCAGCAGCAAGAGTCAGGACAAGACCCTGCTGCCACAGAGCAGGAGTCCAGATTTGTGGACTGGC  
CTACCTTCTGCAAGAGAATGTCCTCTACATCCTGGCTGCTCGCCCCAACAGCGCAGCCATTACCTGAA  
GCCCCAGGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG212001 representing NM\_015297  
Red=Cloning site Green=Tags(s)

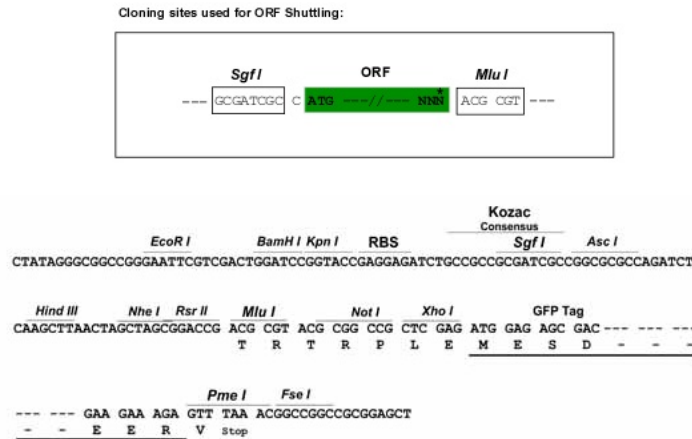
MGVLMKRQTVEQVQKVS LAVSAFKDGLRDRPSIRRTGELPGSRRGTVEGSVQEVQEEKEAEAGTSVVQE  
 ESSAGRAAWERLRDGRGVEPEEFDRTSRFTPPAFIRPTRKLDLDDKPEICLEPREPVNDEMCDVCEVWT  
 AESLFPCRVC TRVFDGCLRRMGYIQGDSAAEVTEMAHTETGWSCHYCDNINLLL TEEEMYSLTETTFQRC  
 KVIPDCSLTLEDFLRYRHQA AKRGDRDRALSEEQEEQAARQFAALDPEHRGHIEWPDFLSHESLLLLQQL  
 RPQNSLLRLLTVKERERARA AFLARGSGSTVSEAECCRRAQHSWFKRFPEAPSCSVSISHVGPDIADSSPA  
 SSSSKSQDKTLLPTEQESRFVDWPTFLQENVLYILAARPN SAAIHLKPPG

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2733\\_f01.zip](https://cdn.origene.com/chromatograms/ja2733_f01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_015297

**ORF Size:** 1200 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_015297.3](#)

**RefSeq Size:** 5950 bp

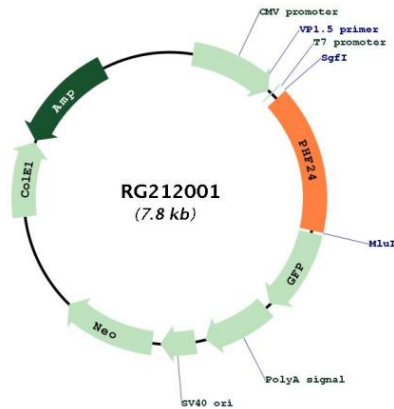
**RefSeq ORF:** 1203 bp

**Locus ID:** 23349

**UniProt ID:** [Q9UPV7](#)

**Cytogenetics:** 9p13.3

**Product images:**



Circular map for RG212001