

## Product datasheet for **RG214592**

### **KIBRA (WWC1) (NM\_015238) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIBRA (WWC1) (NM_015238) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WWC1
Synonyms:	HBEBP3; HBEBP36; KIBRA; MEMRYQTL; PPP1R168
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214592 representing NM_015238 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGCGCGGAGCTGCCCTGCCGGAGGGCTGGGAGGAGGCGCGGACTTCGACGGCAAGGTCTACT  
ACATAGACCACACGAACCGCACCACCAGCTGGATCGACCCGCGGGACAGGTACACCAAACCGCTCACCTT  
TGCTGACTGCATTAGTGATGAGTTGCCGCTAGGATGGGAAGAGGCATATGACCCACAGGTTGGAGATTAC  
TTCATAGACCACAACACCAAAACCCTCAGATTGAGGATCCTCGAGTACAATGGCGGCGGGAGCAGGAAC  
ATATGCTGAAGGATTACCTGGTGGTGGCCAGGAGGCTCTGAGTGCACAAAAGGAGATCTACCAGGTGAA  
GCAGCAGCGCCTGGAGCTTGACAGCAGGAGTACCAGCAACTGCATGCCGTCTGGGAGCATAAGCTGGGC  
TCCAGGTCAGCTTGGTCTCTGGTTCATCATCCAGCTCCAAGTATGACCCGTGAGATCCTGAAAGTGAAA  
TTGCCACTGCAAAATCCCGGGTCAACAAGCTGAAGAGAGAGATGGTTCACCTCCAGCAGGAGCTGCAGTT  
CAAAGAGCGTGGCTTTCAGACCCCTGAAGAAAATCGATAAGAAAATGTCTGATGCTCAGGGCAGCTACAAA  
CTGGATGAAGCTCAGGCTGTCTTGAGAGAAAACAAAGCCATCAAAAAGGCTATTACCTGTGGGAAAAGG  
AAAAGCAAGATCTCATTAAAGAGCCTTGCCATGTTGAAGGACGGCTTCCGCACTGACAGGGGGTCTCACTC  
AGACCTGTGGTCCAGCAGCAGCTCTCTGGAGAGTTCGAGTTTCCGCTACCGAAACAGTACCTGGATGTG  
AGCTCCCAGACAGACATCTCGGAAGCTTCGGCATCAACAGCAACAATCAGTTGGCAGAGAAGGTCAGAT  
TGCGCCTTCGATATGAAGAGGCTAAGAGAAGGATCGCCAACCTGAAGATCCAGCTGGCCAAGCTTGACAG  
TGAGGCCTGGCCTGGGGTCTGACTCAGAGAGGACCGGCTGATCCTTATCAACGAGAAGGAGGAGCTG  
CTGAAGGAGATGCGCTTCATCAGCCCCGCAAGTGGACCCAGGGGAGGTGGAGCAGCTGGAGATGGCCC  
GGAAGCGGCTGGAAAAGGACCTGCAGGCAGCCCGGACACCCAGAGCAAGGCGCTGACGGAGAGGTTAAA  
GTTAAACAGTAAGAGGAACAGCTTGTGAGAGAACTGGAGGAAGCCACCCGGCAGGTGGCAACTCTGCAC  
TCCCAGCTGAAAAGTCTCTCAAGCAGCATGCAGTCCCTGTCTCAGGCAGCAGCCCCGGATCCCTCAGT  
CCAGCCGGGGCTCCCTGGTTGCATCCAGCTGGACTCCTCCACTCAGCCAGCTTCACTGACCTCTACTA  
TGACCCCTTTGAGCAGCTGGACTCAGAGCTGCAGAGCAAGGTGGAGTTCTCTGCTCTGGAGGGGCCACC



[View online »](#)

```

GGCTTCCGGCCCTCAGGCTGCATCACCACCATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGG
GAGGTGGCCCGCTGCAGGCTCTGCGTTCCTGTCTGGCACCCAAAGTCCATGACCTCCCTATCCCCACG
TTCTCTCTCTCTCCCTCCCCCTCCACCCTGTTCCCTCTCATGGCTGACCCCTCCTGGCTGGTGATGCC
TTCTCAACTCCTGGAGTTTGAAGACCCGGAGCTGAGTGCCACTCTTTGTGAAGTGAAGCTTGGTAACA
GCGCCAGGAAAGATACCGGCTGGAGGAACAGGAACGGAGGGCAAGCAGCTGGGCAAGCTGTGAATAC
GGCCCAGGGGTGGCCGTAAAGTGGCTGTGTCTCAGCCGCGTATCGGACGAGTCACTGGCTGGAGAC
AGTGGTGTGTACGAGGCTCCGTGCAGAGACTGGGTGCTTCAGAAGCTGCTGCATTTGACAGTACGAAT
CGGAAGCAGTGGGTGCGACCCGAATTCAGATTGCCCTGAAGTATGATGAGAAGAATAAGCAATTTGCAAT
ATTAATCATCCAGCTGAGTAACCTTTCTGCTCTGTTGCAGCAACAAGACCAGAAAGTGAATATCCGCGTG
GCTGTCCTTCTGCTCTGAAAGCACAACCTGCCTGTTCCGGACCCGGCCTCTGGACGCCTCAGACACTC
TAGTGTTCAATGAGGTGTTCTGGGTATCCATGTCTATCCAGCCCTTACCAGAAGACCTTAAGAGTCGA
TGTCTGTACCACCGACAGGAGCCATCTGGAAGAGTGCCTGGGAGGCGCCAGATCAGCCTGGCGGAGGTC
TGCCGGTCTGGGAGAGGTGACTCGCTGGTACAACCTTCTCAGCTACAAATACTGAAGAAGCAGAGCA
GGGAGCTCAAGCCAGTGGGAGTTATGGCCCTGCCTCAGGGCCTGCCAGCACGGACGCTGTGTCTGCTCT
GTTGGAACAGACAGCAGTGGAGCTGGAGAAGAGGCAGGAGGCAGGAGCAGCACACAGACTGGAAGAC
AGCTGGAGGTATGAGGAGACCAGTGAGAATGAGGCAAGTCCGAGGAAGAGGAGGAGGAGGTGGAGGAGG
AGGAGGGAGAAGAGGATGTTTTACCGAGAAAGCCTCACCTGATATGGATGGGTACCCAGCATTAAAGGT
GGCAAAGAGACCAACACGGAGACCCCGGCCCATCCCCACAGTGGTGCACCTAAGGACCCGGAGAGTG
GGCACCCCGTCCCAGGGGCCATTTCTCGAGGGAGCACCATCATCCGCTTAAGACCTTCTCCCCAGGAC
CCCAGAGCCAGTACGTGTCCGGCTGAATCGGAGTGATAGTGACAGCTCCACTCTGTCCAAAAGCCACC
TTTTGTTGAAACTCCCTGGAGCGACGCAGCGTCCGGATGAAGCGGCCTTCTCGGTCAAGTTCGCTGCGC
TCCGAGCGTCTGATCCGTACCTCGCTGGACCTGGAGTTAGACCTGCAGGGCACAAGAACCTGGCACAGCC
AACTGACCCAGGAGATCTCGGTGCTGAAGGAGCTCAAGGAGCAGCTGGAACAAGCCAAGCCACGGGGA
GAAGGAGCTGCCACAGTGGTTCGCTGAGGACGAGCGTTTTCCGCTGCTGCTGAGGATGCTGAGAGAAGCGG
CAGATGGACCGAGCGGAGCACAAGGTTAGCTTACAGACAGACAAGATGATGAGGGCAGCTGCCAAGGATG
TGACAGGCTCCGAGGCCAGAGCTGAAGGAACCCCCAGAAGTTCAGTCTTTCAGGGAGAAGATGGCATT
TTTACCCGGCCTCGGATGAATATCCAGCTCTCTGTCAGATGACGTC

```

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG214592 representing NM\_015238  
 Red=Cloning site Green=Tags(s)

```

MPRPELPLPEGWEEARDFDGKVVYIDHTNRTTSWIDPRDRYTKPLTFADCSDELPLGWEEAYDPQVGDY
FIDHNTKTTQIEDPRVQWRREQEHMLKDYLVVAQEALSAQKEIYQVKKQRELAQQEYQQLHAVWEHKLK
SQVSLVSGSSSSSKYDPEILKAEIATAKSRVNLKREMVHLQHELQFKERGFQTLKKIDKKMSDAQGSYK
LDEAQAVALRETKAIKKAITCGEKEKQDLIKSLAMLKDGFRTRDRGSHSDLWSSSSSLESSSFLPKQYLDV
SSQTDISGSGFINSNNQLAEKVRLRLRYEEAKRRIANLKIQLAKLDSEAWPGVLDSEDRDLILINEKEEL
LKEMRFISPRKWTQGEVEQLEMARKRLEKDLQAARDTQSKALTERLKLNSKRNLVRELEEATRQVATLH
SQLKLSLSSMQSLSSGSSPGLTSSRGLVASSLDSSTASFTDLYYDPFEQLDSELQSKVEFLLLEGAT
GFRPSGCITTIHEDEVAKTQKAEGGRLQALRSLSGTPKSMSTLSPRSSLSSPSPPCSPMLADPLLAGDA
FLNSLEFEDPEL SATLCEL SLGNSAQERYRLEEPGTEGKQLGQAVNTAQGCGLKVACVSAAVSDESVA GD
SGVYEASVQRLGASEAAAFDSDESEAVGATRIQIALKYDEKNKQFAI I IQLSNL SALLQQDQKVNIRV
AVLPCSESTTCLFRTRPLDASDTL VFNEVFWVMSYPALHQKTLRVDVCTTDRSHLEECLGGAQISLAEV
CRSGERSTRWYNLLSYKYLKKQSRELKPVGVMAPASGPASTDAVSALLEQTAVELEKRQEGRSSTQTL ED
SWRYEETSENEAVAE EEEEEVEEEEEGEEDVFTEKASPDMDGYPALKVDKETNTETPAPSPTVVRPKDRRV
GTPSQGPFLRGSTIIRSKTFSPGPQSQYVCRNLNRSDDSSTLSKKPPFVRNSLERRSVRMKRPSSVKS LR
SERLIRTSLDLELDLQATRTWHSQLTQEISVLKELKEQLEQAKSHGEKELPQWLREDERFRLLLRLMEKR
QMDRAEHKQELQTDKMMRAAAKDVHRLRGQSCKEPPEVQSFREKMAFFTRPRMNIPALSADDV

```

TRTRPLE – GFP Tag – V

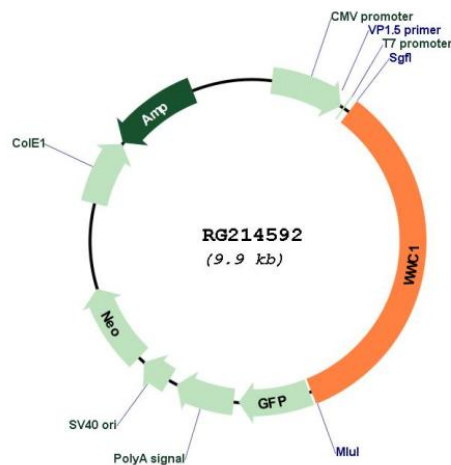
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_015238

ORF Size: 3339 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_015238.1, NP_056053.1</u>
<b>RefSeq Size:</b>	4171 bp
<b>RefSeq ORF:</b>	3342 bp
<b>Locus ID:</b>	23286
<b>UniProt ID:</b>	<u>Q8IX03</u>
<b>Cytogenetics:</b>	5q34
<b>Gene Summary:</b>	The protein encoded by this gene is a cytoplasmic phosphoprotein that interacts with PRKC-zeta and dynein light chain-1. Alleles of this gene have been found that enhance memory in some individuals. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]