

## Product datasheet for **RG228641**

### **KIBRA (WWC1) (NM\_001161662) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIBRA (WWC1) (NM_001161662) 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:	>RG228641 representing NM_001161662 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGCGCGGAGCTGCCCTGCCGGAGGGCTGGGAGGAGGCGCGGACTTCGACGGCAAGGTCTACT  
ACATAGACCACACGAACCGCACCACCAGCTGGATCGACCCGCGGGACAGGTACACCAAACCGCTCACCTT  
TGCTGACTGCATTAGTGATGAGTTGCCGCTAGGATGGGAAGAGGCATATGACCCACAGTTGGAGATTAC  
TTCATAGACCACAACACCAAAACCCTCAGATTGAGGATCCTCGAGTACAATGGCGCGGGAGCAGGAAC  
ATATGCTGAAGGATTACCTGGTGGTGGCCAGGAGGCTCTGAGTGCACAAAAGGAGATCTACCAGGTGAA  
GCAGCAGCGCCTGGAGCTTGACAGCAGGAGTACCAGCAACTGCATGCCGTCTGGGAGCATAAGCTGGGC  
TCCAGGTCAGCTTGGTCTCTGGTTCATCATCCAGCTCCAAGTATGACCTGAGATCCTGAAAGTGAAA  
TTGCCACTGCAAAATCCCGGGTCAACAAGCTGAAGAGAGAGATGGTTCACCTCCAGCAGGAGCTGCAGTT  
CAAAGAGCGTGGCTTTCAGACCTGAAGAAAATCGATAAGAAAATGTCTGATGCTCAGGGCAGCTACAAA  
CTGGATGAAGCTCAGGCTGTCTTGAGAGAAAACAAAAGCCATCAAAAAGGCTATTACCTGTGGGAAAAGG  
AAAAGCAAGATCTCATTAAAGAGCCTTGCCATGTTGAAGGACGGCTTCCGCACTGACAGGGGGTCTCACTC  
AGACCTGTGGTCCAGCAGCAGCTCTCTGGAGAGTTCGAGTTTCCGCTACCGAAAACAGTACCTGGATGTG  
AGCTCCCAGACAGACATCTCGGAAGCTTCGGCATCAACAGCAACAATCAGTTGGCAGAGAAGGTCAGAT  
TGCGCCTTCGATATGAAGAGGCTAAGAGAAGGATCGCCAACCTGAAGATCCAGCTGGCCAAGCTTGACAG  
TGAGGCCTGGCCTGGGGTCTGACTCAGAGAGGACCGGCTGATCCTTATCAACGAGAAGGAGGAGCTG  
CTGAAGGAGATGCGCTTCATCAGCCCCGCAAGTGGACCCAGGGGAGGTGGAGCAGCTGGAGATGGCCC  
GGAAGCGGCTGGAAAAGGACCTGCAGGCAGCCCGGACACCCAGAGCAAGGCGCTGACGGAGAGGTTAAA  
GTTAAACAGTAAGAGGAACAGCTTGTGAGAGAACTGGAGGAAGCCACCCGGCAGGTGGCAACTCTGCAC  
TCCAGCTGAAAAGTCTCTCAAGCAGCATGCAGTCCCTGTCTCAGGCAGCAGCCCGGATCCCTCAGT  
CCAGCCGGGGCTCCCTGGTTGCATCCAGCTGGACTCCTCCACTCAGCCAGCTTCACTGACCTCTACTA  
TGACCCCTTTGAGCAGCTGGACTCAGAGCTGCAGAGCAAGGTGGAGTTCTCTGCTCTGGAGGGGCCACC



[View online »](#)

```

GGCTTCCGGCCCTCAGGCTGCATCACCACCATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGG
GAGGTGGCCGCTGCAGGCTCTGCGTTCCTGTCTGGCACCCAAAGTCCATGACCTCCCTATCCCCACG
TTCTCTCTCTCCTCCCCCTCCCCACCTGTTCCTCTCATGGCTGACCCCTCCTGGCTGGTGATGCC
TTCTCAACTCCTGGAGTTTGAAGACCCGGAGCTGAGTGCCACTCTTTGTGAAGTGAAGCTTGGTAACA
GCGCCAGGAAAGATACCGGCTGGAGGAACAGGAACGGAGGGCAAGCAGCTGGGCAAGCTGTGAATAC
GGCCAGGGGTGTGGCTGAAAGTGGCTGTGTCTCAGCCGCGTATCGGACGAGTACGATGGCTGGAGAC
AGTGGTGTGTACGAGGCTCCGTGCAGAGACTGGGTGCTTCAGAAGCTGCTGCATTTGACAGTGCAGAA
CGGAAGCAGTGGGTGCGACCCGAATTCAGATTGCCCTGAAGTATGATGAGAAGAATAAGCAATTTGCAAT
ATTAATCATCCAGCTGAGTAACCTTTCTGCTCTGTTGCAGCAACAAGACCAGAAAGTGAATATCCGCGTG
GCTGTCCTTCTGCTCTGAAAGCACAACCTGCCTGTTCCGGACCCGGCCTCTGGACGCCTCAGACACTC
TAGTGTTCAATGAGGTGTTCTGGGTATCCATGTCTATCCAGCCCTTACCAGAAGACCTTAAGAGTCGA
TGTCTGTACCACCGACAGGAGCCATCTGGAAGAGTGCCTGGGAGGCGCCAGATCAGCCTGGCGGAGGTC
TGCCGGTCTGGGAGAGGTGACTCGCTGGTACAACCTTCTCAGCTACAAATACTGAAGAAACAGAGCA
GGGAGCTCAAGCCAGTGGGAGTCAATGGCCCTGCCTCAGGGCCTGCCAGCACGGACGCTGTGTCTGCTCT
GTTGGAACAGACAGCAGTGGAGTGGAGAAGAGGCAGGAGGGCAGGAGCAGCACACAGACTGGAAGAC
AGCTGGAGGTATGAGGAGACCAGTGAAGTGAAGCAGTAGCCAGGAAGAGGAGGAGGAGGTGGAGGAGG
AGGAGGGAGAAGAGGATGTTTTACCGAGAAAGCCTCACCTGATATGGATGGGTACCCAGCATTAAAGGT
GGCAAAGAGACCAACACGGAGACCCCGGCCCATCCCCACAGTGGTGCACCTAAGGACCCGGAGAGTG
GGACCCCGTCCCAGGGGCCATTTCTCGAGGGAGCACCATCATCCGCTTAAGACCTTCTCCCCAGGAC
CCCAGAGCCAGTACGTGTCCGGCTGAATCGGAGTGTAGTGACAGCTCCACTCTGTCCAAAAGCCACC
TTTTGTTGAAACTCCTGGAGCGACGACGCTCCGGTGAAGCGGCCGTCACCCACCCACAGCCTTCC
TCGGTCAAGTCTGCTGCGTCCGAGCGTGTGATCCGTACCTCGCTGGACCTGGAGTTAGACCTGCAGGCGA
CAAGAACCTGGCACAGCAATTGACCCAGGAGATCTCGGTGCTGAAGGAGCTCAAGGAGCTGGAACA
AGCCAAGAGCCACGGGGAGAAGGAGCTGCCACAGTGGTTGCGTGAGGACGAGCGTTTCCGCTGTGCTG
AGGATGCTGGAGAAGCGGATGGACCGAGCGGAGCAAGGGTGAAGCTTACAGACAGACAAGATGATGAGGG
CAGCTGCCAAGGATGTGCACAGGCTCCGAGGCCAGAGCTGAAGGAACCCCAAGTTCAGTCTTTCAG
GGAGAAGATGGCATTTCACCCGGCCTCGGATGAATATCCAGCTCTCTGTCAGATGACGTC

```

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG228641 representing NM\_001161662  
 Red=Cloning site Green=Tags(s)

```

MPRPELPLPEGWEEARDFDGKVVYIDHTNRTTSWIDPRDRYTKPLTFADCSDELPLGWEEAYDPQVGDY
FIDHNTKTTQIEDPRVQWRREQEHMLKDYLVVAQEALSAQKEIYQVQQRLELAQQEYQQLHAVWEHKLK
SQVSLVSGSSSSSKYDPEILKAEIATAKSRVNLKREMVHLQHELQFKERGFQTLKKIDKKMSDAQGSYK
LDEAQAVLRETKAIKKAITCGEKEKQDLIKSLAMLKDGFRTRDRGSHSDLWSSSSSLESSSFLPKQYLDV
SSQTDISGSGFINSNNQLAEKVRLRLRYEEAKRRIANLKIQLAKLDSEAWPGVLDSEDRDLILINEKEEL
LKEMRFISPRKWTQGEVEQLEMARKRLEKDLQAARDTQSKALTERLKLNSKRNLVRELEEATRQVATLH
SQLKLSLSSMQSLSSGSSPGLTSSRGLVASSLDSSTASFTDLYYDPFEQLDSELQSKVEFLLLEGAT
GFRPSGCITTIHEDEVAKTQKAEGGRLQALRSLSGTPKSMSTLSPRSSLSSPSPCSPLMADPLLAGDA
FLNSLEFEDPEL SATLCEL SLGNSAQERYRLEEPGTEGKQLGQAVNTAQGCGLKVACVSAVSDSVAGD
SGVYEASVQRLGASEAAAFDSDESEAVGATRIQIALKYDEKNKQF AIL I IQL SNL SALLQQDQKVNIRV
AVLPCSESTTCLFRTRPLDASDTL VFNEVFWVMSYPALHQKTLRVDVCTTDRSHLEECLGGAQISLAEV
CRSGERSTRWYNLLSYKYLKKQSRELKPVGVMAPASGPASTDAVSALLEQTAVELEKRQEGRSSTQTL
SWRYEETSENEAVAEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVEVE
GTPSQGPF LRGSTIIRSKTF SPGPQSYVCRNLNRSDDSSTLSKKPPFVVRNSLERRSVRMKRPSPPPSPS
SVKSLRSERLIRTSLDLELDLQATRTWHSQLTQEISVLKELKEQLEQAKSHGEKELPQWLREDEFRLLL
RMLEKRM DRAEHK GELQTDKMMRAAAKDVHRLRGQSCKEPPEVQSFREKMAFFTRPRMNIPALSADDV

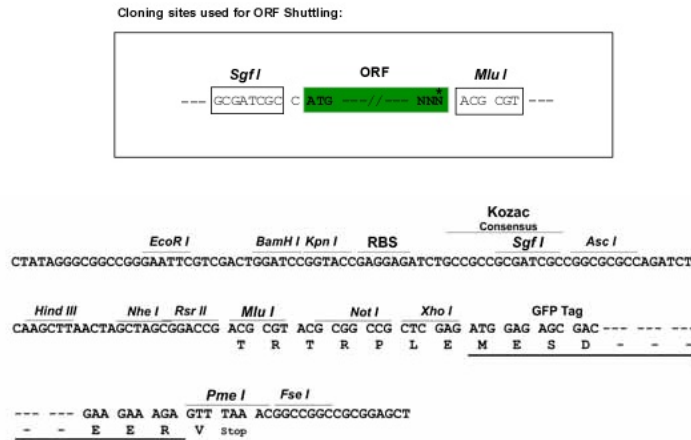
```

TRTRPLE - GFP Tag - V

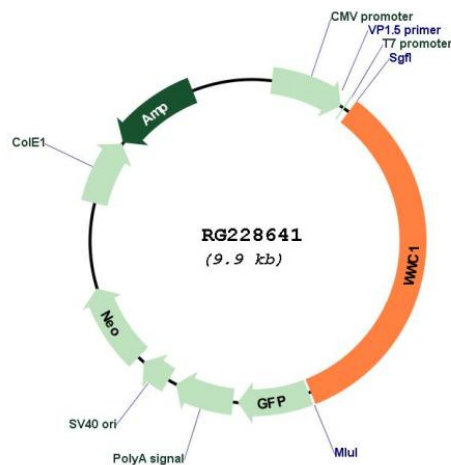
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001161662

ORF Size: 3354 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_001161662.2</u>
<b>RefSeq Size:</b>	6750 bp
<b>RefSeq ORF:</b>	3357 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]