

Product datasheet for **SC327276**

KIBRA (WWC1) (NM_001161662) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIBRA (WWC1) (NM_001161662) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIBRA
Synonyms:	HBEBP3; HBEBP36; KIBRA; MEMRYQTL; PPP1R168
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001161662, the custom clone sequence may differ by one or more nucleotides

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ATGCCCCGGCCGGAGCTGCCCTGCCGGAGGGCTGGGAGGAGGCGCGACTTCGACGGC
AAGGTCTACTACATAGACCACACGAACCCGACCACCAGCTGGATCGACCCGCGGGACAGG
TACACCAAACCGCTCACCTTTGCTGACTGCATTAGTGATGAGTTGCCGCTAGGATGGGAA
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ATTGAGGATCCTCGAGTACAATGGCGGGGAGCAGGAACATATGCTGAAGGATTACCTG
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CTGGAGCTTGACAGCAGGAGTACCAGCAACTGCATGCCGTCTGGGAGCATAAGCTGGGC
TCCCAGGTCAGCTTGGTCTCTGGTTCATCATCCAGCTCCAAGTATGACCCTGAGATCCTG
AAAGCTGAAATTGCCACTGCAAAATCCCGGTCAACAAGCTGAAGAGAGAGATGGTTCAC
CTCCAGCACGAGCTGCAGTTCAAAGAGCGTGGCTTTCAGACCCTGAAGAAAATCGATAAG
AAAATGTCTGATGCTCAGGGCAGCTACAACTGGATGAAGCTCAGGCTGTCTTGAGAGAA
ACAAAAGCCATCAAAAAGGCTATTACCTGTGGGAAAAGGAAAAGCAAGATCTCATTAAAG
AGCCTTGCCATGTTGAAGGACGGCTTCCGCACTGACAGGGGGTCTCACTCAGACCTGTGG
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AGCTCCCAGACAGACATCTCGGGAAGCTTCGGCATCAACAGCAACAATCAGTTGGCAGAG
AAGGTCAGATTGCGCCTTCGATATGAAGAGGCTAAGAGAAGGATCGCCAACCTGAAGATC
CAGCTGGCCAAGCTTGACAGTGAGGCTGGCCTGGGGTGGTGGACTCAGAGAGGGACCGG
CTGATCCTTATCAACGAGAAGGAGGAGCTGCTGAAGGAGATGCGCTTCATCAGCCCCCGC
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TCCCAGCTGAAAAGTCTCTCAAGCAGCATGCAGTCCCTGTCTCAGGCAGCAGCCCCGGA
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AGCTTCACTGACCTCTACTATGACCCCTTTGAGCAGCTGGACTCAGAGCTGCAGAGCAAG
GTGGAGTCTGCTCCTGGAGGGGGCCACCGGCTTCCGGCCCTCAGGCTGCATCACCACC

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ATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGGGAGGTGGCCGCTGCAGGCT
CTGCGTTCCTGTCTGGCACCCAAAGTCCATGACCTCCCTATCCCCACGTTCTCTCTC
TCCTCCCCCTCCCCACCTGTCCCTCTCATGGCTGACCCCTCCTGGCTGGTATGCC
TTCCTCAACTCCTTGGAGTTTGAAGACCCGGAGCTGAGTGCCACTCTTTGTGAAGTGAAGC
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CTGGGCCAAGCTGTGAATACGGCCAGGGGTGTGGCCTGAAAGTGGCCTGTGTCTCAGCC
GCCGTATCGGACGAGTCAGTGGCTGGAGACAGTGGTGTGTACGAGGCTTCCGTGCAGAGA
CTGGGTGCTTTCAGAAGCTGCTGCATTTGACAGTGACGAATCGGAAGCAGTGGGTGCGACC
CGAATTAGATTGCCCTGAAGTATGATGAGAAGAATAAGCAATTTGCAATATTAATCATC
CAGCTGAGTAACCTTTCTGCTCTGTTGCAGCAACAAGACCAGAAAAGTGAATATCCGCGTG
GCTGTCTTCTGCTCTGAAAGCACAACTGCCTGTTCCGGACCCGGCCTCTGGACGCC
TCAGACACTCTAGTGTCAATGAGGTGTTCTGGGTATCCATGTCCTATCCAGCCCTTAC
CAGAAGACCTTAAGAGTCGATGTCTGTACCACCGACAGGAGCCATCTGGAAGAGTGCCTG
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TACAACCTTCTCAGCTACAAATACTTGAAGAAACAGAGCAGGGAGCTCAAGCCAGTGGGA
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ACAGTGGTGGACCTAAGGACCGGAGAGTGGGCACCCGTCACAGGGCCATTTCTTCGA
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CGGTGAATCGGAGTGATAGTGACAGCTCCACTGTGCCAAAAAGCCACCTTTTGTTCGA
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TCGGTCAAGTCGCTGCGCTCCGAGCGTCTGATCCGTACCTCGCTGGACCTGGAGTTAGAC
CTGCAGGCGACAAGAACCTGGCACAGCCAATTGACCCAGGAGATCTCGGTGCTGAAGGAG
CTCAAGGAGCAGCTGGAACAAGCCAAGGCCACGGGGAGAAGGAGCTGCCACAGTGGTTG
CGTGAGGACGAGCGTTTCCGCTGCTGCTGAGGATGCTGGAGAAGCGGATGGACCGAGCG
GAGCACAAGGGTGAGCTTACAGACAGACAAGATGATGAGGGCAGCTGCCAAGGATGTGCAC
AGGCTCCGAGGCCAGAGCTGTAAGGAACCCCAAGTTCAGTCTTTCAGGGAGAAGATG
GCATTTTTCACCCGGCCTCGGATGAATATCCCAGCTCTCTGACAGATGACGTC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001161662
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001161662.1](#), [NP_001155134.1](#)

RefSeq Size: 6750 bp

RefSeq ORF: 3357 bp

Locus ID: 23286

UniProt ID: [Q8IX03](#)

Cytogenetics: 5q34

Gene Summary: 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]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.