

Product datasheet for SC107042

KIBRA (WWC1) (NM_015238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIBRA (WWC1) (NM_015238) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIBRA
Synonyms:	HBEBP3; HBEBP36; KIBRA; MEMRYQTL; PPP1R168
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107042 sequence for NM_015238 edited (data generated by NextGen Sequencing)

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ATGCCCCGGCCGGAGCTGCCCTGCCGGAGGGCTGGGAGGAGCGCGACTTCGACGGC
AAGGTCTACTACATAGACCACACGAACCCGACCACCAGCTGGATCGACCCGCGGGACAGG
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ATTGAGGATCCTCGAGTACAATGGCGGGGAGCAGGAACATATGCTGAAGGATTACCTG
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CTGGAGCTTGACAGCAGGAGTACCAGCAACTGCATGCCGTCTGGGAGCATAAGCTGGGC
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AGCTTCACTGACCTCTACTATGACCCCTTTGAGCAGCTGGACTCAGAGCTGCAGAGCAAG
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ATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGGGAGGTGGCCGCTGCAGGCT
 CTGCGTTCCTGTCTGGCACCCAAAGTCCATGACCTCCCTATCCCCACGTTCTCTCTC
 TCCTCCCCCTCCCCACCTGTTCCCTCTCATGGCTGACCCCTCCTGGCTGGTATGCC
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 TGGCACAGCCAATTGACCAGGAGATCTCGGTGCTGAAGGAGCTCAAGGAGCAGCTGGAA
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 CGCCTGCTGCTGAGGATGCTGGAGAAGCGGNGATGGACCGAGCGGAGCACAAGGTGAG
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 AGCTGTAAGGAACCCCAAGTTCAGTCTTTCAGGGAGAAGATGGCATTTCACCCGG
 CCTCGGATGAATATCCCAGCTCTCTGCAGATGACGTCTAA

Clone variation with respect to NM_015238.2
 1485 a=>g;2373 a=>g;2403 c=>t;3151 c=>n;3152 a=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015238 unedited
 CACGAGGGCGCCCGCGTCCGCTCCCGTTTCCGGGGCAGCGGTTACCTGCACCGCC
 CGAGCCGCACCTGGCGGAGGCAGAAGTCAAAACCCGGCGAGCTCAGAGCGGTGGAGCGG
 AGAGGAGGGACGGCACCCGGCTGCAGGGAGGAGGAGGCGGCAGCGGCAGCGCGCGCTG
 GAGGGCGCAGCGCGCCGCGGGGAGGAGGGCAGACGGCGGCGCGCGCGCTCGGCT
 CGCTCTGCCCGCGCGGTGGCGCGCACCCGGGCTCGCACCGCGCCGCTGCGGACGCACA
 TGGCAGCGTGAGAGGCCGGCGGGAGGAGCGGGCGGCGCCGGTGGGGCTGCAGGGC
 CGCATGGACAGCGGCCACCCCGCGGCCCTACTAGGGCCCCCATCTGCGGGCGCC
 ACCCCCCGGATCATGGTGCCTCGCGCGCCCGCGGGCTAAGAGCGGCGGCTGGAGCCG
 TGAGCCCCGCTGCGGCCGGAGCTGCATGGGGAGCGCCGCGCAGCGCTTGGGAAGATGC
 CCCGGCCGAGCTGCCCTGCCGAGGGCTGGGAGGAGGCGCGGACTTCGACGGCAAGG
 TCTACTACATAGACCACACGAACCGCACACCAGCTGGATCGACCCGCGGNACAGGTACA
 CCAAACCCTCACCTTGTGCTGACTGCATTANTGATGAGTTGCCGCTAGGATGGGAAGAGG
 CATATGACCCACAGGTTGGAGATTACTTCATAGACCACACACAAAACCTCAGATTGGA
 GATCCTCGAGTACATGGCGGGGAGCAAGAAGTATGCTGAAGGATACCTGGG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015238 unedited TGNATGGNAGTTCCCCACAGCCCTCCCCTCACTCATGTTAGTGGCTTCACTGGGCATCTG AGGCCAGCGTGGCCTGTCACCCACATAGACTAGGCTGCTTAGCCACCCAGCCTATCACA CTGCCCGTCCACGTTGGGCAGCCACATAAAAAACAGTCACAGCTCAAGAAGATCCGTGG ATGCACCTCTTAATCCCCCAATGGTTTCTGTGCATTTTTTAAATTTGTACAAAATAT GTTAACTAGGAAAAATTAGCTGTACTGTGACAAGTGCGGGACGTCCTATTAGGATTACCG TCCCCAGGCATTACTTCTTATTGCAAGTAAAGACCTCTAAAAGGTGGAGCTGTACAAACCA AAAAAATCTAAACGATTTTAAGAAGAGCAGCAACTCAATACTGCTTTAGTTCATTTAAA TTTTCTTTCCAAAAATACACTCTAAATATACAAATAACAATCTTATTATTTAATG CTGTTTTTTTTTGTCTTTTTGTGAGTGTGTGTCTGCTTTTGTCTGTTTTTAA TAACAACAGTAGGACCCAACTAAAAAGTCAGTTCATCTTTCAACCAACAAGAGCACTAG AGGACTTGTGACTCAGTACCTTCATATAACACCACATAAATTACTTTTAGCCACAGTCAC TGTTACAGACTGGTCAGGGGAACAAAGGAAATACTTCTCGGCGATTAGACGTCATCT GCAGAAAGACTCGGATATTCATTCCAGGCCGGTGAAAAAGCCATCTTCTCCGCGAAAAA ATGAACTTCTGGGGGCTCCCTCACGCTCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_015238
Insert Size:	4500 bp
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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_015238.1</u> , <u>NP_056053.1</u>
RefSeq Size:	4171 bp
RefSeq ORF:	3342 bp
Locus ID:	23286
UniProt ID:	<u>Q8IX03</u>
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 (3) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 3) 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.