

Product datasheet for **SC115206**

IKBKE (NM_014002) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IKBKE (NM_014002) Human Untagged Clone
Tag:	Tag Free
Symbol:	IKBKE
Synonyms:	IKK-E; IKK-i; IKKE; IKKI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_014002 edited
ATGCAGAGCACAGCCAATTACCTGTGGCACACAGATGACCTGCTGGGGCAGGGGGCCACT
GCCAGTGTGTACAAGGCCCGCAACAAGAAATCCGGAGAGCTGGTTGCTGTGAAGGTCTTC
AACACTACCAGCTACCTGCGGCCCGCGAGGTGCAGGTGAGGGAGTTTGAAGTCTGCGG
AAGCTGAACCACCAGAACATCGTCAAGCTCTTTGCGGTGGAGGAGACGGGCGGAAGCCGG
CAGAAGGTACTGGTGATGGAGTACTGCTCCAGTGGGAGCCTGCTGAGTGTGCTGGAGAGC
CCTGAGAATGCCTTTGGGCTGCCTGAGGATGAGTTCCTGGTGGTGTGCTGCGCTGTGTGGTG
GCCGGCATGAACCACCTGCGGGAGAACGGCATTGTGCATCGCGACATCAAGCCGGGGAAC
ATCATGCGCCTCGTAGGGGAGGAGGGGCAGAGCATCTACAAGCTGACAGACTTCGGCGCT
GCCCGGGAGCTGGATGATGATGAGAAGTTCGTCTCGGTCTATGGGACTGAGGAGTACCTG
CATCCCGACATGTATGAGCGGGCGGTGCTTCGAAAGCCCCAGCAAAAAGCGTTTCGGGGTG
ACTGTGGATCTCTGGAGCATTGGAGTGACCTTGTACCATGCAGCCACTGGCAGCCTGCC
TTCATCCCCTTTGGTGGGCCACGGCGGAACAAGGAGATCATGTACCGGATCACCACGGAG
AAGCCGGCTGGGGCCATTGCAGGTGCCAGAGGGCGGAGAACGGGCCCTGGAGTGGAGC
TACACCCTCCCCATCACCTGCCAGCTGTACTGGGGCTGCAGAGCCAGCTGGTGCCCATC
CTGGCCAACATCCTGGAGGTGGAGCAGGCCAAGTCTGGGGCTTCGACCAGTTCTTTGCG
GAGACCAGTGACATCCTGCAGCGAGTTGTCTCCATGTCTTCTCCCTGTCCCAGGAGTC
CTGCACCACATCTATATCCATGCCACAACACGATAGCCATTTTCCAGGAGGCCGTGCAC
AAGCAGACCAGTGTGGCCCCCGACACCAGGAGTACCTCTTTGAGGGTACCTCTGTGTCT
CTCGAGCCAGCGTCTCAGCACAGCACATCGCCACACGACGGCAAGCAGCCCCCTGACC
CTCTTCAGCACAGCCATCCCTAAGGGGCTGGCCTTCAGGGACCCTGCTCTGGACGTCCCC
AAGTTCGTCCCCAAAGTGACCTGCAGGCGGATTACAACACTGCCAAGGGCGTGTGGGC
GCCGGCTACCAGGCCCTGCGGCTGGCACGGGCCCTGCTGGATGGGCAGGAGCTAATGTTT
CGGGGGCTGCACTGGGTATGGAGGTGCTCCAGGCCACATGCAGACGGACTCTGGAAGTG
GCAAGGACATCCCTCCTCTACCTCAGCAGCAGCCTGGGAAGTGAAGGTTTCAAGCAGCGTG
GCTGGAACGCCTGAGATCCAGGAAGTGAAGGCGGCTGCAGAACTGAGGTCCAGGCTGCGG
ACTCTAGCGGAGGTCTCTCCAGATGCTCCAAAATATCACGGAGACCCAGGAGAGCCTG
AGCAGCCTGAACCGGGAGCTGGTGAAGAGCCGGGATCAGGTACATGAGGACAGAAGCATC
CAGCAGATTCAAGTGTGTTTGGACAAGATGAACTTCATCTACAAACAGTTCAAGAAGTCT
AGGATGAGGCCAGGGCTTGGCTACAACGAGGAGCAGATTACAAGCTGGATAAAGGTGAAT
TTCAGTCAATTTAGCCAAAAGACTCCTGCAGGTGTTCCAGGAGGAGTGCCTGCAGAAGTAT
CAAGCGTCTTAGTCACACACGGCAAGAGGATGAGGGTGGTGCACGAGACCAGGAACCAC
CTGCGCCTGGTTGGCTGTCTGTGGCTGCCTGTAACACAGAAGCCAGGGGGTCCAGGAG
AGTCTCAGCAAGCTCCTGGAAGAGCTATCTCACCAGCTCCTTCAGGACCGAGCAAAGGGG
GCTCAGGCCTCGCCGCTCCCATAGCTCCTTACCCAGCCCTACACGAAAGGACCTGCTT
CTCCACATGCAAGAGCTCTGCGAGGGGATGAAGCTGTGGCATCTGACCTCCTGGACAAC
AACCGCATCATCGAACGGCTAAATAGAGTCCCAGCACTTCTGATGTCTGA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014002 unedited</p> <pre> AGCATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGGCACCAGNAAAAACCC ACTAGTCCCAGCTCCTGGGGTGGCACAGACATTGCAACTGGCCCTGCCTGTGGGTCTAG GGGCCCTTGGCTACCAGGAGGCTAAGAACACTGCTCATGAATGACAGTGAGCCCTGAAAG CTCTGGGGGTGTACCCAGTCCCACAAGCCTGCATCCCCTGCAGTGGAGATGGGCTCAGC TCCTGGACGTGCCACAGACAGAAAAGCATAACATACTCGCCAGGAAGAGCCTTTGCCTG ACTCAGGGCAGCTCAGAGTGTGGGGCAGAAGGTGACCAGCCAGCTCAGGGCAGGAGATGC AGAGCACAGCCAATTACCTGTGGCACACAGATGACCTGCTGGGGCAGGGGCCACTGCCA GTGTGTACAAGGCCCGCAACAAGAAATCCGGAGAGCTGGTTGCTGTGAAGTCTTCAACA CTACCAGTACCTGCGGCCCGCGAGGTGCAGGTGAGGGAGTTTGAAGTCTGCGGAAGC TGAACCACCAGAATCGTCAAGCTCTTTGCGGTGGAGGAGACGGGCGGAAGCCGCGAGA AGGTACTGGTGTGAGTACTGCTCCAGTGGGAGCCTGCTGAGTGTGCTGGAGAGCCCTG AGAATGCCTTTGGGCTGCCTGAGGATGAGTTCCTGGTGGTGTGCGCTGTGTGGTGGCCG GCATGAACCACCTGCGGGAGAACGGCATTGTGCATCGCGACATCAAGCCGNGACATCAT GCGCCTNCCTTAAGGGAAGGAGGGCAGAGCATCTACNAGCTGACAGACTTTCGCGCTGC CCGGGAGCTGGATGATGATGAGAAGTTTCGTCTCGTCTATGGGACTGAGGAGTACCTGCA TCCNGAATGTATGAGCCGGGCGTGCTTCAAAGCCNCCAGCAAAAAGCGTCGNGTGACT GTTGGATCTCTGGAGCATGGANTGACCTTGTACAGN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014002 unedited</p> <pre> AGTCTTGNACCGCGCCAATCTANATCGAGTTTTTTTTTTTTTTTTTTTAAACAAAAGCAA AGGCCACATTTATCCACTTCTTGAAGGTGCAGGCCTTGACCTGCCAGACTCACAGTC CTGGCTGCATGTCCCAGGACCAGCTGGAGCCTCAGAGAGTGAGGGAGAGCCAAAGGGGCC CCAAGACTGGCACTGGCCTTGCCACCCATTTTCTCAACTTTAGGCTCAGTCAGACCA AGCATAGAAAAGAACAGGAGGCTCTATGTTGCCTGAGGCTGGCAGTGGTACCCTCAGA AATCACAAGGGAGCGGAGAGAGCTGTGTTCAACATGAAACGCTTGAAGAGGAAGGAAGAC TGTGATGAGGTCGTTTACCTACTGCCCTGGGGAAACCCAGGAGGCCTCCTCTCCTGTT GGCTAGGGAGTGAAGTCTATAAACCAGAGGGAGTGGGAAGGCGTATGAGAGCTTCTTCT CCCCACGGCCAGCCATGGGCATGGAGGAGCAGTACCTGAGCCTAGAGAAGATAGAAAGG TCAGCCAGGCAGTTGCTGCCACACTCTTTCCTGTGGGTCCCAACAGAGGTGGCCTGGTGC CCAGTCTCAGCTGTGCTGCTTCCAGGGAGAAAGGCAGTGGAAAGTAATGCTGGCGACAT CCTGGCCAGCAGCCAGGAGGGAGGTAGGCTGATGTGATGGGAATGGGATCTTGCCCTGGG TTGGTCTCATGGTGCAGAAGAGCAGTGTGGAATCATTCTAATGCTTCAGGATGCCTCAT GTGCCCATGGAGCTCAGACATCAGGAAGTGTGGGACTCTATTTAGCCGTCGATGATGC GGTTTGTGTCCAAGAGTCAGATGCCGAGCTTCATCCCTCGCAGACTCTGCATGTGGAGA GCAGTCTTTCTGTAGGCTTGGTAAGGACTATGGGAGCGGCCAGCCTGACCCCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014002
Insert Size:	4000 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:	NM_014002.2 , NP_054721.1
RefSeq Size:	3263 bp
RefSeq ORF:	2151 bp
Locus ID:	9641
UniProt ID:	Q14164
Cytogenetics:	1q32.1
Domains:	pkinase
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
Gene Summary:	<p>IKBKE is a noncanonical I-kappa-B (see MIM 164008) kinase (IKK) that is essential for regulating antiviral signaling pathways. IKBKE has also been identified as a breast cancer (MIM 114480) oncogene and is amplified and overexpressed in over 30% of breast carcinomas and breast cancer cell lines (Hutti et al., 2009 [PubMed 19481526]).[supplied by OMIM, Oct 2009]</p> <p>Transcript Variant: This variant (1) is the longest transcript and it encodes the longest protein (isoform 1).</p>