

Product datasheet for **SC322444**

IKB beta (NFKBIB) (NM_002503) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IKB beta (NFKBIB) (NM_002503) Human Untagged Clone
Tag: Tag Free
Symbol: IKB beta
Synonyms: IKBB; TRIP9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322444
 GCGACTGCGGGGGCCCCCTGAGGCGCGGGGCCATGGCTGGGGTTCGCGTCTTGGGAAA
 AGCTGCCGACGCAGATGAATGGTGCACAGCGGCCTGGGCTCCCTGGGTCCGGACGCAGC
 GGCCCCCGGAGGACCTGGGTTGGCGCGGAGTTGGGCCCGGGGCTGTCGTGGGCTCCCT
 CGTCTTCGGCTACGTCACTGAGGATGGGACACGGCACTGCACTTGGCTGTGATTTCATCA
 GCATGAACCCCTTCTGGATTTTCTTCTAGGCTTCTCGGCCGCACTGAGTACATGGACCT
 GCAGAATGACCTAGGCCAGACAGCCCTGCACCTGGCAGCCATCCTGGGGGAGACATCCAC
 GGTGGAGAAGCTGTACGCAGCAGGCGCCGGGCTGTGTGTGGCGGAGCGTAGGGGCCACAC
 GCGCTGCACCTGGCCTGCCGTGTGGGGGCACACGCTGTGCCCGTGCCTGCTTCAGCC
 CCGCCCCGGCGCCCCAGGGAAGCCCCGACACCTACCTCGCTCAGGGCCCTGACCGTAC
 TCCCGACACCAACCATAACCCTGTGCCTTGTACCCCGATTCCGACTTGGAGAAGGAAGA
 AGAGGAGAGTGAGGAGGACTGGAAGCTGCAGCTGGAGGCTGAAAACCTACGAGGGCCACAC
 CCCACTCCACGTGGCCGTTATCCACAAAGATGTGGAGATGGTCCGGCTGCTCCGAGATGC
 TGGAGCTGACCTTGACAAACCGGAGCCACGTGCGGCCGGAGCCCCCTTCATTTGGCAGT
 GGAGGCCAGGCAGCCGATGTGCTGGAGCTTCTCCTGAGGGCAGGCGGAACCCTGCTGC
 CCGCATGTACGGTGGCCGACCCCACTCGGCAGTGCCATGCTCCGGCCCAACCCATCCT
 CGCCCCCTCCTCCGTGCACACGGAGCCCTGAGCCCCGAGGGCGAGGACGAGAAATCCGG
 CCCCTGCAGCAGCAGTAGCGACAGCGACAGCGGAGACGAGGGCGATGAATACGACGACAT
 TGTGGTTACAGCAGCCGAGCCAAACCCGGCTGCCTCCACCCCAACCTCAAACCTCT
 TCCTGACGACCCCGCCCGTGTGATTTGTTTCATTGTTAATATAATTTCCAGTTAATA
 AACAAAACCTAGTTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_002503



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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:	<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_002503.3 , NP_002494.2
RefSeq Size:	1198 bp
RefSeq ORF:	1071 bp
Locus ID:	4793
UniProt ID:	Q15653
Cytogenetics:	19q13.2
Domains:	ANK
Protein Families:	Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Adipocytokine signaling pathway, B cell receptor signaling pathway, Chemokine signaling pathway, Cytosolic DNA-sensing pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway
Gene Summary:	<p>The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the longest isoform (1).</p>