

Product datasheet for **SC300963**

IKB zeta (NFKBIZ) (NM_001005474) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IKB zeta (NFKBIZ) (NM_001005474) Human Untagged Clone
Tag: Tag Free
Symbol: IKB zeta
Synonyms: IKBZ; INAP; MAIL
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001005474 edited
 AGAGGCGGCGCCCGCGCCGAGCCAGCCAGTTGAGCCCCATATGGGGTTGGCAGGCAG
 CAGAGAGGCCCTTTCAAGGTGTTGCGGTAAGAAGTCAAGTGAAGGAAGTCTGTGAC
 ATCCGAAGTCATAAACAGAAGGCTTCTGGCCAAGCTGTGGATGATTTTAAGACACAAGGT
 GTGAACATAGAACAGTTCAGAGAATTGAAGAACACAGTATCATACAGTGGGAAAAGGAAA
 GGGCCCGATTGTTGCTGATGGACCTGCTTGCAAAAGGCCAGCTCTGTTGCATCCCAA
 TTTTGTACACCACCTCAAACACCAACGCCCGGGGAGAGCATGGAAGATGTTTCATCTCAAT
 GAACCCAAACAGGAGAGCAGTGTGATCTGCTTCAGAACATTATCAACATTAAGAATGAA
 TGCAGCCCGTTCCCTGAACACAGTTCAGTTAGCTGGTGAACCCCGTGGTGGTCCCT
 CAGAGCTCCCCGAGAGCAGTGTGAGGACTTCCATGGAGGCGAGTCTTTTCTCCACCT
 CAGAAATGCCAACCATCCAAGTCAGGGGCTCCCAACAAATGATAGACCAGGCTTCCCTG
 TACCAGTATTCTCCACAGAACAGCATGTAGAGCAGCAGCCACTACACCCACAACCA
 ACTCTGGAATACAGTCTTTTCCATACCTCCCCAGTCCCCCGCTTATGAACCAAACCTC
 TTTGATGGTCCAGAATCACAGTTTTGCCAAACCAAAGCTTAGTTTTCCCTTCTGGTGAT
 CAAAGGGAATCTGAGAATATTGCTAATCCCATGCAGACTTCTCCAGTGTTCAGCAGCAA
 AATGATGCTCACTTGACAGCTTCAGCATGATGCCAGCAGCGCTGTGAGGCCATGGTG
 GGGCAGGAGATGGCCTCTGACTCTTCAAACACTTCACTGCCATTCTCAAACATGGGAAAT
 CCAATGAACACCACACAGTTAGGGAAATCACTTTTTCAAGGATGCAGATGGTGACACG
 AGCAAATTGGCAAATATTTCCCAAGACCAGTTTCTTTCAAAGGATGCAGATGGTGACACG
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 GCAGTGGTGCCTCAGCATCTCATTGTGCAGGATCTGGTGAACATCGGGGCACAGGTG
 AACACCACAGACTGCTGGGAAGAACACCTCTGCATGTGTGTGCTGAGAAGGGCCACTCC
 CAGGTGCTTCAGGCGATTAGAAGGAGCAGTGGGAAGTAAATCAGTTTGTGGATCTTGAG
 GCAACTAACTATGATGGCCTGACTCCCCTTCACTGTGCAGTCATAGCCACAATGCTGTG
 GTCCATGAACTCCAGAGAAATCAACAGCCTCATTACCTGAAGTTCAGGAGCTTTACTG
 AAGAATAAGAGTCTGGTTGATACCATTAAGTGCCTAATCAAATGGGAGCAGCGGTGAA



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GCGAAGGATCGCAAAAGTGGCCGCACAGCCCTGCATTTGGCAGCTGAAGAAGCAAATCTG
 GAACTCATTGCGCTCTTTTTGGAGCTGCCAGTTGCTGTCTTTGTGAATGCAAAGGCT
 TACAGTGGCAACTGCCCTCCATGTTGCTGCCAGCTTGCAATCGGTTGACACAATTA
 GATGCTGTCCGCTGTTGATGAGGAAGGGAGCAGACCCAAAGTACTCGAACTTGGAGAAC
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 TGGTTATATTAAGAAAAGAAAATATCTAATTTCTCTTGGCAGATTTGCATATT
 TCATACCCAGGTATCTGGGATCTAGACATCTGAATTTGATCTCAATGGTAACATTGCCTT
 CAATTAACAGTAGCTTTTGGAGTAAAGGACTTTGATTTGTGGCACAACAAACATTATTA
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 CTGGCGTTGGACAGGCTTCAGTCATTGGACTAGATGAAAGGTGCCATGGTTAGAATTTG
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 GTTGCTATTTAAAAAATTTTACAATTCTTACTAAGGAGTTTTTATTGTGAATCACTAA
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 TTGCATGCTTTTTTTTTTTTTCTCCCGAGACAGGGTCTTGCTCTGGCGCCAGGCTGGA
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 CTGAGCCTTCTGAGTAACTGGAACACAGGTGTGCACTCCTCGCTGGCTAATTTTTTAT
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 GCCATCTGCCTGCCTTAGTCTCCAAAATGCTGGGATTACAGGAGTGAGCCACCATGCC
 GGCTGGCAGTTGCATGGAAGAGAACACCTCTTTATGGCTTACCCTCTAGAATTTCTAATT
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 TGAACATATCTTCTGTTTTCTGTTGTCAAATGATGATAATGTGCCATGATGTTTTATA
 TATATCATTGAGAAAAGTTTTTTTTTAATAACATTCTATTAACATTATTTGCTTGC
 CGCTGGCATGCCTGAGGAATGATTTGGCTTTGATTACACACTAAGTTTTTGAATAAAT
 TTGACTCATAAAAACCTTTTTTTTTAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001005474
- Insert Size:** 3300 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001005474.1.
- 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_001005474.1](#), [NP_001005474.1](#)

RefSeq Size: 3782 bp

RefSeq ORF: 1857 bp

Locus ID: 64332

UniProt ID: [Q9BYH8](#)

Cytogenetics: 3q12.3

Protein Families: Druggable Genome

Gene Summary: This gene is a member of the ankyrin-repeat family and is induced by lipopolysaccharide (LPS). The C-terminal portion of the encoded product which contains the ankyrin repeats, shares high sequence similarity with the I kappa B family of proteins. The latter are known to play a role in inflammatory responses to LPS by their interaction with NF-B proteins through ankyrin-repeat domains. Studies in mouse indicate that this gene product is one of the nuclear I kappa B proteins and an activator of IL-6 production. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) contains alternative 5' non-coding exons compared to variant 1, and initiates translation from an in-frame downstream AUG, resulting in a shorter isoform (b) compared to isoform a.