

Product datasheet for **SC122682**

IKB epsilon (NFKBIE) (NM_004556) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IKB epsilon (NFKBIE) (NM_004556) Human Untagged Clone
Tag:	Tag Free
Symbol:	IKB epsilon
Synonyms:	IKBE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004556 edited
 GGCACGAGGCCTGGCCAGCGCTCCGAACCTTGTCTCGCTGCGCGCCGGCCCTCGGAGC
 CCCACAGCCCGGAAGGAGGCGCCGCGGGCCGGCGCCCGCTCTGCCAAGCGGACCCGC
 AACCCGGAAAGGCGGCGCGGGAGCCTGGAGCCGGATCTGTCTCAGACCCGGCCCGGC
 CGGCCAGAGCCGCGGCATGTGCGAGGCGCGGAAGGGCCGGACGAGCGGAGGAGGCC
 AGTACGACTCTGGCATTGAGTCTCTGCGCTCTCTGCGCTCCCTACCCGAGTCCACCTCGG
 CTCACGCTCCGGGCCCTCGGACGGCAGCCCCAGCCCTGCACCCATCCTCCGGGACCCG
 TCAAGGAACCACAGGAGAAGGAAGACGCGGATGGGGAGCGGGCTATTCCACCTATGGCT
 CCTCTCGCTCACCTACACCCTGTCTTGTGGGGGCCCGAGGCTGAGGACCCGGCC
 CACGCTGCCACTCCCCACGTGGGGCGCTGAGCCCTCAGCAGCTGGAAGCACTCACTT
 ACATCTCCGAGGACGGAGACAGCTGGTCCACCTGGCAGTGATTCATGAGCCCCAGCGG
 TGCTGCTCTGTTGCTGGCTTTGCTGCCCCAGGAGTCTGGACATTCAAAATAACCTTT
 ACCAGACAGCACTCCATCTGGCTGTACATCTGGACCAACCGGGCGCAGTTCGGGCACTGG
 TGCTGAAGGGGGCAGCCGGGCACTACAGGACCGGCATGGTGACACAGCCCTTCATGTGG
 CCTGCCAGCGCCAGCACTTGGCCTGTGCCCGCTGCCTGTGGAAGGGCGCCAGAGCCAG
 GCAGAGGAACATCTCACTCTCTGGACCTCCAGCTGCAAAAAGTGGCAAGGTCTGGCTTGT
 TCCACATTGCCACCCCTCAGAAGAACCAACCACTCATGGAATTGTGCTTCGGAATGGAG
 CTGACATTGATGTGACGAGGGCACAGTGGTAAGACAGCGCTGCACCTGGCTGTGGAAA
 CCCAAGAGCGGGCCCTGGTACAGTTCCTGCTCCAGGCTGGTGCCAGGTAGATGCCCGCA
 TGCTGAACGGGTGCACACCCCTGCACCTGGCAGCTGGCCGGGTCTCATGGGCATCTCAT
 CCACTCTGTGCAAGGCGGGTGTGACTCCCTGTGCGGAATGTGGAGGATGAGACGCCCC
 AGGACCTGACTGAGGAATCCCTTGTCTTTTGCCTTTGATGACCTGAAGATCTCAGGGA
 AACTGCTGTGTACCGACTGAAGCCAGGCAGGCTCTGGGATCCTCAGGGCTCCACCT
 TCCATCTGGAAGCCGGAGCCATAACTGCTGCAGTTTGGGCCAGGCTATGTGCTTCTG
 GTGCCCTAGGACTGCTGTGGCCAGAGCCTGGGGCCAGCCAGTACAGTCTGAGCCGAGG
 AGGAGGGACTGCAAGTGGAAGAGAGCCAGTCTGGAAGGAAGAGCTTCCAGGTGGACAGG
 GCTTCTTGAAGACCCCCAAAGCCCAAGTATCCTGGGTGAAGCCTGTTTGCCTCTTTG
 AAAATGGCAGGTGCTCTTGTTTTACCCATGTTGGGTGAGCCTGAAACTGCCAACCCAGTAG
 GAAGCATGGACTCTCTGAGTGAGAAGAGACTGAAATAGGAGCAAGCAGAACCCCTGAGAG
 GTGTCCCATTATTGCTGTTGAGGACCCTGAAACACCGTTGTTTAAAGACTTCACACAG
 AAGGCTCTGAACTGGGCCACTGGGGAAGGGAAGTTTTCAGTAACATGACACTAAAAATGGCA
 GAGACGTTAAAAAAGTTTTTCCCTTCTAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004556 unedited
 GGCCAACCTCAGTAANNTGTAACACGACNCACTATNNAGGGCGCCGCAATTCCGGCA
 CGAGGCCTGGCCAGCGCTCCGAACCTTGTCTCGCTGCGCGCCGGCCCTCGGAGCCCCA
 CAGCCCGGAAGGAGGCCGCCGCGGGCCGGCGCCCGCTCTGCCAAGCGGACCCGCAACG
 CGGAAAGCGGCCGCGGCGGAGCCTGGAGCCGATCCTGCTCAGACCCGGCCCGGCCGCGC
 CAGAGCCGCGGGCATGTGCGAGGCGCGGAAGGGCCGGACGAGCGGAGGAGAGCCAGTA
 CGACTCTGGCATTGAGTCTCTGCGCTCTCTGCGCTCCCTACCCGAGTCCACCTCGGCTCC
 AGCCTCCGGGCCCTCGGACGGCAGCCCCAGCCCTGCACCCATCCTCCGGGACCCGTCAA
 GGAACACAGGAGAAGGAAGACGCGGATGGGGAGCGGGCTGATTCACCTATGGCTCCTC
 CTGCTCACCTACACCCTGTCTTGTGGGGGCCCGAGGCTGAGGACCCGGCCCCACG
 CCTGCCACTCCCCACGTGGGGCGCTGAGCCCTCAGCAGCTGGAAGCACTCACTTACAT
 CTCGAGGACGGAGACAGCTGGTCCACCTGGCAGTGATTCATGAGGCCCGAGCGGTGCT
 GCTCTGTTGCCTGGCTTTGCTGCCCCAGGAGTCTGGACATTCAAAATAACCTTTACCA
 GACAGCACTCCATCTGGCTGTACATCTGGACCAACCGGGCGCAGTTCCGGCACTGGTGCT
 NGAAGGGGCCAGCCGGGCACTACAGGACCGGCATGGTGACACAGCCCTTCATGTGGCCTG
 CCAGCGCCAGCACTTGGCCTGTGCCCGCTGNCTGCTGGAAGGGCNGNACAGGCCAGCAG
 AGGAACATCTCACTCTT

Restriction Sites: Please inquire

ACCN:	NM_004556
Insert Size:	1847 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_004556.2 , NP_004547.2
RefSeq Size:	2581 bp
RefSeq ORF:	1503 bp
Locus ID:	4794
UniProt ID:	O00221
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Adipocytokine signaling pathway, B cell receptor signaling pathway, Neurotrophin signaling pathway, T cell receptor signaling pathway
Gene Summary:	The protein encoded by this gene binds to components of NF-kappa-B, trapping the complex in the cytoplasm and preventing it from activating genes in the nucleus. Phosphorylation of the encoded protein targets it for destruction by the ubiquitin pathway, which activates NF-kappa-B by making it available to translocate to the nucleus. [provided by RefSeq, Sep 2011]