

Product datasheet for **SC332758**

NFkB p100 / p52 (NFKB2) (NM_001261403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFkB p100 / p52 (NFKB2) (NM_001261403) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFkB p100 / p52
Synonyms:	CVID10; H2TF1; LYT-10; LYT10; NF-kB2; p49/p100; p52; p100
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332758 representing NM_001261403.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGAGTTGCTACAACCCAGGTCTGGATGGTATTATTGAATATGATGATTTCAAATTGAACTCCTCC
 ATGTGTGGAACCAAGGAGCCAGCCCCAGAAACAGCTGATGGCCCCACCTGGTATCGTGGAACAGCCT
 AAGCAGAGAGGCTTCCGATTTTCGATATGGCTGTGAAGGCCCTCCCATGGAGGACTGCCCGGTCCCTCC
 AGTGAGAAGGGCCGAAAGACCTATCCCAGTGTCAAGATCTGTAACACGAGGGACCAAGATCGAG
 GTGGACCTGGTAACACACAGTGACCCACCTCGTGCTCATGCCACAGTCTGGTGGCAAGCAATGCTCG
 GAGCTGGGGATCTGCGCGTTTTCTGTGGGGCCCAAGGACATGACTGCCCAATTTAACAACCTGGGTGTC
 CTGCATGTGACTAAGAAGAACATGATGGGGACTATGATACAAAACTTCAGAGGCAGCGCTCCGCTCT
 AGGCCCCAGGGCCTTACGGAGGCCGAGCAGCGGGAGCTGGAGCAAGAGGCCAAAGAAGTGAAGAAGTG
 ATGGATCTGAGTATAGTGCGGCTGCGCTTCTCTGCCTTCTTAGAGCCAGTATGGCTCCTTCTCCCTG
 CCCCTGAAGCCAGTCATCTCCAGCCCATCCATGACAGCAAATCTCCGGGGGCATCAAACCTGAAGATT
 TCTCGAATGGACAAGACAGCAGGCTCTGTGCGGGTGGAGATGAAGTTTATCTGCTTTGTGACAAGTG
 CAGAAAGATGACATTGAGTTTCGGTTCTATGAGGATGATGAGAATGGATGGCAGGCTTTGGGGACTTC
 TCTCCACAGATGTGCATAAACAGTATGCCATTGTGTTCCGGACACCCCTATCACAAAGATGAAGATT
 GAGCGGCCTGTAACAGTGTTCGCAACTGAAACGCAAGCGAGGAGGGGACGTGTCTGATTTCAAACAG
 TTCACCTATTACCTCTGGTGAAGACAAGGAAGAGGTGCAGCGGAAGCGGAGGAAGGCCTTGCCACC
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 GGAGCTGGAGGAGGTGGCAGCCTCGGTTTCTTCCCCTCTCCCTGGCCTACAGCCCTACCAGTCCGGC
 GCGGGCCCATGGGCTGTACCCGGGAGCGGGGGCGGGGCGCAGATGGCCGCCACGGTGGCCAGCAGG
 GACTCCGGGGAGGAAGCCCGGGAGCCGAGCGCCCCCTCCAGGACCCCCAGTGGCAGCCGAGCCCGG
 GAGTCTGCAGCGAGCTCGAGAGTACAACGCGCGCTGTTCCGGCTGGCGCAGCGCAGCCCGGCGCC
 CTACTCGACTACGGCGTACCCGGGACCGCGCGCTGCTGGCGGACAGCGCCACCTGCTGACGGCG
 CAGGACGAGAACGGAGACACACCACTGCACCTAGCCATCATCCAGGGCAGACCAGTGTCTATTGAGCAG
 ATAGTCTATGTATCCACCACGCCAGGACCTCGGCGTTGTCAACCTCACCAACCACCTGCACCAGACG
 CCCCTGCACCTGGCGGTGATCACGGGCAGACGAGTGTGGTGGAGCTTTCTGCTGCGGGTAGGTGCAGAC
 CCAGCTCTGCTGGATCGGCATGGAGACTCAGCCATGCATCTGGCGCTGCGGGCAGGCGTGGTCTCCT
 GAGCTGCTGCGTGCAGTCTTCCAGAGTGGAGCTCCTGCTGTGCCACAGCTGTTGCATATGCCTGACTTT
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 AGTGGGGTGAAGTGGAGGCCACAGAGCGGAGGGGGACGAACAGCCTTGCATCTAGCCACAGAGATG
 GAGGAGCTGGGGTGGTACCCATCTGGTACCAAGCTCCGGGCCAACGTGAACGCTCGCACCTTTGCG
 GAAACACACCCCTGCACCTGGCAGCTGGACTGGGGTACCCGACCCCTACCCCGCCTCCTTCTGAAGGCT
 GGTGCTGACATCCATGCTGAAAACGAGGAGCCCTGTGCCACTGCCTTACCCCTACCTCTGATAGC
 GACTCGGACTCTGAAGGGCCTGAGAAGGACACCCGAAGCAGCTTCCGGGGCCACACGCTCTTGACCTC
 ACTTGCAGCACCAGGTGAAGACCTTGCTGCTAAATGCTGCTCAGAACACCATGGAGCCACCCCTGACC
 CCGCCAGCCAGCAGGGCCGGGACTGTCACTTGGTGATACAGCTCTGCAGAACCTGGAGCAGCTGCTA
 GACGGGCCAGAAGCCAGGGCAGCTGGCAGAGCTGGCAGAGCCTCTGGGGTGGCAGCCTGGTAGAC
 ACGTACCGACAGACAACCTCACCCAGTGGCAGCCTCCTGCGCAGCTACGAGCTGGCTGGCGGGACCTG
 GCAGGTCTACTGGAGCCCTGTCTGACATGGGCCCTAGAGGAGGGAGTGGGCTGCTGAGGGTCCAGAA
 ACCCGAGACAAGCTGCCAGCACAGAGGTGAAGGAAGACAGTGCCTACGGGAGCCAGTCACTGGAGCAG
 GAGGCAGAGAAGCTGGGCCACCCCTGAGCCACCAGGAGGGCTCTGCCACGGGCACCCCGCCTCAG
 GTGCACTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001261403
Insert Size: 2700 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_001261403.2
RefSeq Size:	3217 bp
RefSeq ORF:	2700 bp
Locus ID:	4791
UniProt ID:	Q00653
Cytogenetics:	10q24.32
Protein Families:	Transcription Factors
Protein Pathways:	MAPK signaling pathway, Pathways in cancer
MW:	96.7 kDa
Gene Summary:	<p>This gene encodes a subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). The NFkB complex is expressed in numerous cell types and functions as a central activator of genes involved in inflammation and immune function. The protein encoded by this gene can function as both a transcriptional activator or repressor depending on its dimerization partner. The p100 full-length protein is co-translationally processed into a p52 active form. Chromosomal rearrangements and translocations of this locus have been observed in B cell lymphomas, some of which may result in the formation of fusion proteins. There is a pseudogene for this gene on chromosome 18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Variants 2, 3, and 4 encode the same isoform (b).</p>