

Product datasheet for **SC315629**

NFkB p100 / p52 (NFKB2) (NM_001077493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFkB p100 / p52 (NFKB2) (NM_001077493) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFkB p100 / p52
Synonyms:	LYT-10; LYT10; p52
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001077493, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAGTTGCTACAACCCAGGTCTGGATGGTATTATTGAATATGATGATTTCAAATTG
AACTCCTCATTGTGGAACCCAAGGAGCCAGCCCCAGAAACAGCTGATGGCCCTACCTG
GTGATCGTGGAACAGCCTAAGCAGAGAGGCTTCCGATTCGATATGGCTGTGAAGCCCC
TCCCATGGAGGACTGCCCGGTGCCTCCAGTGAGAAGGGCCGAAAGACCTATCCCCTGTC
AAGATCTGTAACACGAGGGACCAGCCAAGATCGAGGTGGACCTGGTAACACACAGTGAC
CCACCTCGTGCTCATGCCACAGTCTGGTGGGCAAGCAATGCTCGGAGCTGGGGATCTGC
GCCGTTTCTGTGGGGCCCAAGGACATGACTGCCAATTTAACAACCTGGGTGTCTCGCAT
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TCTAGGCCCCAGGGCCTTACGGAGGCCGAGCAGCGGGAGCTGGAGCAAGAGGCCAAAGAA
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AGTGATGGCTCCTTCTCCCTGCCCTGAAGCCAGTCATCTCCAGCCATCCATGACAGC
AAATCTCCGGGGCATCAAACCTGAAGATTTCTCGAATGGACAAGACAGCAGGCTCTGTG
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GGCGGGGCGGGGCGCAGATGGCCGCGCACGGTCCCAGCAGGGACTCCGGGGAGGAAGC
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GCCACAGAGATGGAGGAGCTGGGTTGGTACCCTCTGGTACCAAGCTCCGGGCCAAC
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CCGACCTCACCCGCTCCTTCTGAAGGCTGGTGTGACATCCATGCTGAAAACGAGGAG
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GTGAAGGAAGACAGTGCCTACGGGAGCCAGTCAGTGGAGCAGGAGGCAGAGAAGTGGGC
CCACCCCTGAGCCACCAGGAGGCTCTGCCACGGGCACCCCAAGCTCAGGTGCAC

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Restriction Sites: Please inquire
ACCN: NM_001077493

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:	<u>NM_001077493.1</u> , <u>NP_001070961.1</u>
RefSeq Size:	3061 bp
RefSeq ORF:	2700 bp
Locus ID:	4791
Cytogenetics:	10q24.32
Protein Families:	Transcription Factors
Protein Pathways:	MAPK signaling pathway, Pathways in cancer
Gene Summary:	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]