

## Recombinant Human NFKB2 Protein, His tagged

Cat. No. NFKB2-12HFL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	406-899aa, 860-860: Missing
<b>Description</b>	<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.</p>
<b>Molecular Mass</b>	36 kDa
<b>AA Sequence</b>	<p>MHHHHHHHHQMAATVPSRDSGEEAAEPSAPSRTQPCEPQAPEMLQRAREYNARL            FGLAQRSARALLDYGV TADARALLAGQRHLLTAQDENGDTPLHLAIIHGQTSVIEQIV            YVIHHAQDLGVVNL TNHLHQ TPLHLAVITGQTSVVSFLLRVGADPALLDRHGDSAMH            LALRAGAGAPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARSPECLDLLVDS            GAEVEATERQGGRTALHLATEMEELGLVTHLVTKLRANVNARTFAGNTPLHLAAGL            GYPTLTRLLLKAGADIHAENEEPLCPLSPPTSDSDSDSEGPEKDTRSSFRGHTPLD</p>

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LTCSTKVKTLLLNAAQNTMEPPLTPPSPAGPGLSLGDTALQNLEQLLDGPEAQGSW  
 AELAERLGLRSLVDTYRQTTSPSGSLLRSYELAGGDLAGLLEALSMDGLEEGVRLLR  
 GPETRDKLPSTVKEDSAYGSQSVEQEAELGPPPEPPGGLCHGHPQPQVH

**Endotoxin** < 1 EU/μg by LAL

**Purity** > 90% by SDS-PAGE

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Lyophilized from PBS, pH7.4, 2.5% Trehalose, 2.5% Mannitol

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** NFKB2 nuclear factor kappa B subunit 2 [ Homo sapiens (human) ]

**Official Symbol** NFKB2

**Synonyms** NFKB2; nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100); nuclear factor NF-kappa-B p100 subunit; LYT 10; NF kB2; p52; p105; oncogene Lyt-10; DNA-binding factor KBF2; lymphocyte translocation chromosome 10 protein; nuclear factor of kappa light chain gene enhancer in B-cells 2; H2TF1; LYT10; LYT-10; NF-kB2

**Gene ID** 4791

**mRNA Refseq** NM\_001077493

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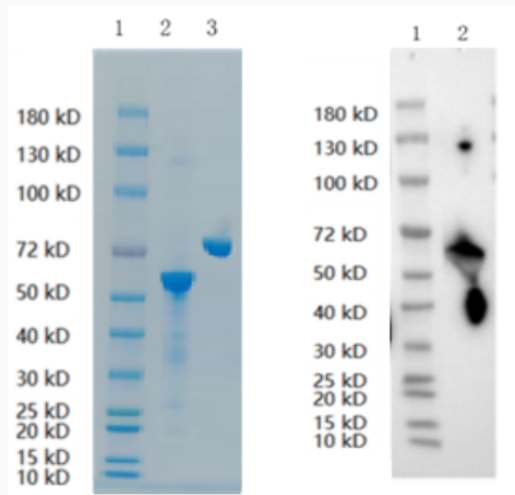
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**Protein Refseq** NP\_001070961

**MIM** 164012

**UniProt ID** Q00653

Reducing 4%-20%  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
NFkB2



1. M 2. NFkB2: 1 µg 3. BSA: 1 µg

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