

Recombinant Human NFKB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NFKB2-2608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NFKB2 MS Standard C13 and N15-labeled recombinant protein (NP_001070961) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	96.7 kDa
AA Sequence	MESCYNPGLDGIIEYDDFKLNSSIVEPKPAPETADGPYLVIVEQPKQRGFRFRYGC EGPSHGGLPGASSEKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSLVGKQ CSELGICAVSVGPKDMTAQFNNLGVLHVTKKNMMGMTMIQKLQRQRLRSRPQGLTEA EQRELEQEAKELKKVMDLSIVRLRFS AFLRASDGSFSLPKPVISQPIHDSKSPGASN

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LKISRMDKTAGSVRGGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDFSPTDVHK
 QYAIVFRTPPYHKMKIERPVTVFLQLKRKRGGDVSDSKQFTYYPLVEDKEEVQRKRR
 KALPTFSQPFGGGSHMGGGSGGAAGGYGGAGGGGSLGFFPSSLAYSPLYQSGAGP
 MGCYPGGGGGAQMAATVPSRDSGEEAAEPSAPSRTQPCEPQAPEMLQRAREYNA
 RLFLAQRSARALLDYGVTAARALLAGQRHLLTAQDENGDTPLHLAIHGTQSVIEQ
 IVYVIHHAQDLGVVNLTNHLHQTPLHLAVITGQTSVVSFLLRVGADPALLDRHGDSAM
 HLALRAGAGAPPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARSPECLDLLVD
 SGAEVEATERQGGRTALHLATEMEELGLVTHLVTKLRANVNARTFAGNTPLHLAAG
 LGYPTLTRLLLKAGADIHAENEEPLCPLSPPTSDSDSDSEGPEKDTRSSFRGHTPL
 DLTCSTKVKTLLLNAAQNTMEPPLTPPSPAGPGLSLGDTALQNLEQLLDGPEAQGS
 WAELAERLGLRSLVDTYRQTTSPSGSLLRSYELAGGDLAGLLEALSDMGLEEGVRL
 LRGPETRDKLPSTEVKEDSAYGSQSVEQEAELGPPPEPPGGLCHGHPQPQVHTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol NFKB2

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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
Protein Refseq	NP_001070961
MIM	164012
UniProt ID	Q00653
SDS-PAGE	