

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

Cat. No. NFKB2-4888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NFKB2 MS Standard C13 and N15-labeled recombinant protein (NP_002493) 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	Tag(s)MESCYNPGLDGIIEYDDFKLNSSIVEPKPAPETADGPYLVIVEQPKQRGFRF RYGCEGPPSHGGLPGASSEKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSL VGKQCSELGICAVSVGPKDMTAQFNNLGVLHVTKKNMMGMTMIQKLQRQRLRSRPQ GLTEAEQRELEQEAKELKKVMDLSIVRLRFS AFLRASDGSFSLPLKPVISQPIHDSKS

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PGASNLKISRMDKTAGSVRGGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDFS
 PTDVHKQYAIVFRTPPYHKMKIERPVTVFLQLKRKRGGDVSDSKQFTYYPLVEDKEE
 VQRKRRKALPTFSQPFGGGSHMGGGSGGAAGGYGGAGGGGSLGFFPSSLAYSPLY
 QSGAGPMGCYPGGGGGAQMAATVPSRDSGEEAAEPSAPSRTQPCEPQAPPEMLQ
 RAREYNARLFGLAQRSARALLDYGVTAARALLAGQRHLLTAQDENGDTPLHLAIH
 GQTSVIEQIVYVIHHAQDLGVVNLTNHLHQTPLHLAVITGQTSVVSFLLRVGADPALL
 DRHGDSAMHLALRAGAGAPPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARS
 PECLDLLVDSGAEVEATERQGGRTALHLATEMEELGLVTHLVTKLRANVNARTFAG
 NTPLHLAAGLGYPTLTRLLLKAGADIHAENEEPLCPLPSPPTSDSDSDSEGPEKDTR
 SSFRGHTPLDLTCSTKVKTLLNAAQNTMEPPLTPPSPAGPGLSLGDTALQNLEQLL
 DGPEAQGSWAELAERLGLRSLVDTYRQTTSPSGSLLRSYELAGGDLAGLLEALSDM
 GLEEGVRLLRGPETRDKLPSTEVKEDSAYGSQSVEQEAKEKLGPPPEPPGGLCHGH
 PQPQVHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 Lym-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_002502
Protein Refseq	NP_002493
MIM	164012
UniProt ID	Q00653
SDS-PAGE	