

Product datasheet for PH301147

NFkB p100 / p52 (NFKB2) (NM_001077493) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NFKB2 MS Standard C13 and N15-labeled recombinant protein (NP_001070961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201147
Predicted MW:	96.7 kDa
Protein Sequence:	>RC201147 protein sequence Red=Cloning site Green=Tags(s)

MESCYNPLDGIIEYDDFKLNSSIVEPKPAPETADGPYLIVIVEQPKQGRFRFRYGCEGSPHGGLPGASS
EKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSLVGKQCSELGICAVSVGPKDMTAQFNNLGVLH
VTKKNMMGTMIQKLQRQLRSRQGLTEAEQRELEQEAKELKKVMDLSIVRLRFSAFLRASDGSFSLPLK
PVISQPIHDSKSPGASNLKISRMDKTAGSVRGGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDFSPDT
VHKQYAI VFRTPPYHKMKIERPVTVFLQLKRKGGDVSDSKQFTYYPLVEDKEEVQRKRKALPTFSQPF
GGGSHMGGGSGGAAGGYGGAGGGGSLGFFPSSLAYSPYQSGAGPMGCYPGGGGAQMAATVPSRDSGEEA
AEP SAPSRT PQCEPQAPEMLQRAREYNARLFGLAQRSARALLDYGV TADARALLAGQRHLLTAQDENGDT
PLHLAI IHGQTSVIEQIVYVIHHAQDLGVVNL TNHLHQTPHLAVITGQTSVVSFLLRVGADPALLDRHG
DSAMHLALRAGAGAPPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARSPECLDLLVDSGAIEVEATE
RQGRRALHLATEMEELGLVTHLVTKLRANVNARTFAGNTPLHLAAGLGYPTLTRLLLKAGADIHAENEE
PLCPLPSPPTS DSDSDSEGPEKDRSSFRGHTPLDLTCSTKVKTL LLLNAAQNTMEPPLTPSPAGPGLSL
GDTALQNLQLLDGPEAQGSWAELAERLGLRSLVDTYRQTTSPSGLLRSYELAGGDLAGLLEALSDMGL
EEGVRLLRGPETRDKLPSTEVKEDSAYGSQSVEQAEKLGPPPEPPGGLCHGHPQPQVH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_001070961](#)

RefSeq Size: 3416

RefSeq ORF: 2697

Synonyms: LYT-10; LYT10; p52

Locus ID: 4791

UniProt ID: [Q00653](#)

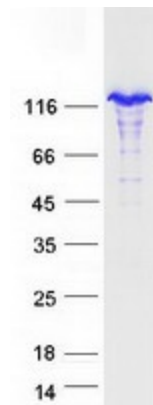
Cytogenetics: 10q24.32

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]

Protein Families: Transcription Factors

Protein Pathways: MAPK signaling pathway, Pathways in cancer

Product images:



Coomassie blue staining of purified NFKB2 protein (Cat# [TP301147]). The protein was produced from HEK293T cells transfected with NFKB2 cDNA clone (Cat# [RC201147]) using MegaTran 2.0 (Cat# [TT210002]).