

## Product datasheet for PH313313

### NFkB p100 / p52 (NFKB2) (NM\_002502) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NFKB2 MS Standard C13 and N15-labeled recombinant protein (NP_002493)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213313
Predicted MW:	96.7 kDa
Protein Sequence:	>Peptide sequence encoded by RC213313 Blue=ORF Red=Cloning site Green=Tag(s)

MESCYNPLDGIIEYDDFKLNSSIVEPKEPAPETADGPYL VIVEQPKQGRFRFRYGCEGSPHGGLPGAS  
SEKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSLVGKQCSELGICAVSVGPKDMTAQFNNLGV  
LHVTKNMGMGTMIQKLQRQLRSRPGQLTEAEQRELEQEAKELKKVMDLSIVRLRFSAFLRASDGSFSL  
PLKPVISQPIHDSKSPGASNLKISRMDKTAGSVRGGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDF  
SPTDVHKQYAIIVFRTPPYHKMKIERPVTVFLQLKRKRGGDVSDSKQFTYYPLVEDKEEVQRKRKALPT  
FSQPFGGGSHMGGGSGGAAGGYGGAGGGGSLGFFPSSLAYSPYQSGAGPMGCYPGGGGAQMAATVPSR  
DSGEEAAEPSAPSRTQPCEPQAPEMLQRAREYNARLFGLAQRSARALLDYGVTTADARALLAGQRHLLTA  
QDENGDTPLHLAIIHGQTSVIEQIVYVIHHAQDLGVVNL TNHLHQTPHLAVITGQTSVVSFLLRVGAD  
PALLDRHGDSAMHLALRAGAGAPPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARSPECLDLLVD  
SGAEVEATERQGGRTALHLATEMEELGLVTHLVTKLRANVNARTFAGNTPLHLAAGLGYPTLTRLLKA  
GADIHAENEELCPLPSPTSDSDSDEGPEKDRSSFRGHTPLDLTCSTKVKTLNAAQNTMEPPLT  
PPSPAGPGLSLGDTALQNLEQLLDGPEAQGSAELAEERLGLRSLVDTYRQTTSPSGSLLRSYELAGGDL  
AGLLEALSDMGLEEGVRLLRGPETRDKLPSTEVKEDSAYGSQSVEQEAELGPPPEPPGGLCHGHPQPQ  
VH  
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Recombinant protein using RC213313 also available, [TP313313](#)

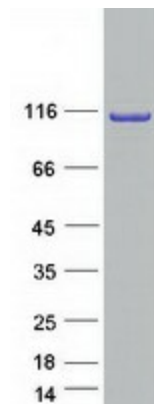
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_002493</a>
<b>RefSeq Size:</b>	3001
<b>RefSeq ORF:</b>	2697
<b>Synonyms:</b>	CVID10; H2TF1; LYT-10; LYT10; NF-kB2; p49/p100; p52; p100
<b>Locus ID:</b>	4791
<b>UniProt ID:</b>	<a href="#">Q00653</a>
<b>Cytogenetics:</b>	10q24.32
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	MAPK signaling pathway, Pathways in cancer

### Product images:



Coomassie blue staining of purified NFKB2 protein (Cat# [TP313313]). The protein was produced from HEK293T cells transfected with NFKB2 cDNA clone (Cat# [RC213313]) using MegaTran 2.0 (Cat# [TT210002]).