

## Product datasheet for **TP313313L**

### NFκB p100 / p52 (NFKB2) (NM\_002502) Human Recombinant Protein

#### Product data:

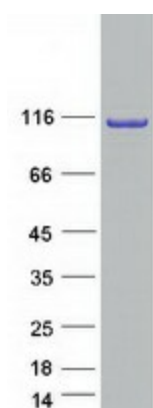
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) (NFKB2), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC213313 Blue=ORF Red=Cloning site Green=Tag(s)
	<p>MESCYNPGLDGIIEYDDFKLNSSIVEPKEPAPETADGPYLIVIEQPKQGRFRFRYGCCEGPSHGGLPGAS SEKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSLVGKQCSELGICAVSVGPKDMTAQFNNLGV LHVTKKNMMGMTMIQKLQRQLRSRQQLTEAEQRELEQAEKELKKVMDLSIVRLRFS AFLRASDGSFSL PLKPVISQPIHDSKSPGASNLKISRMDKTAGSVRGGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDF SPTDVHKQY AIVFRTPPYHKMKIERPVTVFLQLKRKRGGDVSDSKQFTYYPLVEDKEEVQRKRRKALPT FSQPFGGGSHMGGGSGGAAGGYGGAGGGGSLGFFPSSLAYSPYQSGAGPMGCYPGGGGGAQMAATVPSR DSGEEAAEPSAPSRTPQCEPAPEMLQRAREYNARLFLGLAQRSARALLDYGV TADARALLAGQRHLLTA QDENGDTPLHLAIIHGQTSVIEQIVYVIHHAQDLGVNLTNHLHQ TPLHLAVITGQTSVVSFLLRVGAD PALLDRHGDSAMHLALRAGAGAPPELLRALLQSGAPAVPQLLHMPDFEGLYPVHLAVRARSPECLDLLVD SGAEVEATERQGGRTALHLATEMEELGLVTHLVTKLRANVNARTFAGNTPLHLAAGLGYPTLTRL LKA GADIHAENEELCPLPSPPTS DSDSDSEGPEKDTRSSFRGHTPLDLT CSTKVKTL LLLNAAQNTMEPPLT PPSPAGPGLSLGDTALQNLEQLLDGPEAQGSWAELAERLGLRSLVD TYRQTTSPSGSL LRSYELAGGDL AGLLEALS DMGLEEGVRLLRGPETRDKLPSTEVKEDSAYGSQSVEQAEKLGPPPEPPGGLCHGHPQPQ VH TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
	Recombinant protein using RC213313 also available, <a href="#">TP313313</a>
Tag:	C-Myc/DDK
Predicted MW:	96.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002493</a>
<b>Locus ID:</b>	4791
<b>UniProt ID:</b>	<a href="#">Q00653</a>
<b>RefSeq Size:</b>	3001
<b>Cytogenetics:</b>	10q24.32
<b>RefSeq ORF:</b>	2697
<b>Synonyms:</b>	CVID10; H2TF1; LYT-10; LYT10; NF-kB2; p49/p100; p52; p100
<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]).