

## Product datasheet for **TP318695L**

### **IKB beta (NFKBIB) (NM\_001001716) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta (NFKBIB), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218695 representing NM_001001716 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MNGATAAWAPWVRTQRPPEDLGWARSWARGCRGLPSSSATSLRMGTRFSAGTEYMDLQNDLGQTALHLAA ILGETSTVEKLYAAGAGLCVAERRGHTALHLACRVGAHACARALLQPRRRPREAPDTYLAQGPDRTPDT NHTPVALYPDSLEKEEEEESEEDWKLQLEAENYEGHTPLHVAVIHKDVMVRLLRDAGADLDKPEPTCGR SPLHLAVEAQAADVLELLLRRAGANPAARMYGGRTPLGSAMLRPNPILARLLRAHGAPEPEGEDEKSGPCS SSSDSDSGDEGVSQEERQGGSPAGGSG  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	32.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001001716</a></u>
Locus ID:	4793



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UniProt ID: [Q15653](#)

RefSeq Size: 2213

Cytogenetics: 19q13.2

RefSeq ORF: 918

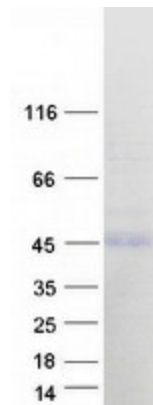
Synonyms: IKBB; TRIP9

**Summary:** The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]

**Protein Families:** Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Adipocytokine signaling pathway, B cell receptor signaling pathway, Chemokine signaling pathway, Cytosolic DNA-sensing pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway

### Product images:



Coomassie blue staining of purified NFKBIB protein (Cat# [TP318695]). The protein was produced from HEK293T cells transfected with NFKBIB cDNA clone (Cat# [RC218695]) using MegaTran 2.0 (Cat# [TT210002]).