

Product datasheet for PH302182

IKB beta (NFKBIB) (NM_002503) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NFKBIB MS Standard C13 and N15-labeled recombinant protein (NP_002494)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202182
Predicted MW:	37.8 kDa
Protein Sequence:	>RC202182 protein sequence Red =Cloning site Green =Tags(s) MAGVACLKKAADADEWCDSGLGSLGPDAAAPGGPGLGAELGPGLSWAPLVFGYVTEGDGTALHLAVIHQH EPFLDFLLGFSAGTEYMDLQNDLGQTALHLAAAILGETSTVEKLYAAGAGLCVAERRGHTALHLACRVGAH ACARALLQPRRRPREAPDTYLAQGPDRTPDTNHTPVALYPDSLEKEEEEESEEDWKLQLEAENYEGHTP LHVAVIHKDVMVRLLRDAGADLDKPEPTCGRSPLHLAVEAQAADVLELLL RAGANPAARMYGGRTPLGS AML RPNPILARLLRAHGAPPEPEGEDEKSGPCSSSSSDSGDEGDEYDDIVVHSSRSQTRL PPTPASKPLP DDPRPV 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.
RefSeq:	NP_002494
RefSeq Size:	1243
RefSeq ORF:	1068
Synonyms:	IKBB; TRIP9
Locus ID:	4793



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UniProt ID: [Q15653](#)

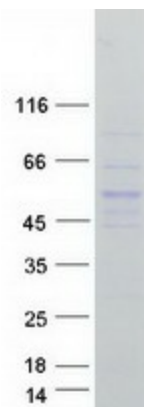
Cytogenetics: 19q13.2

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# [TP302182]). The protein was produced from HEK293T cells transfected with NFKBIB cDNA clone (Cat# [RC202182]) using MegaTran 2.0 (Cat# [TT210002]).