

Product datasheet for PH318695

IKB beta (NFKBIB) (NM_001001716) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | NFKBIB MS Standard C13 and N15-labeled recombinant protein (NP_001001716) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC218695 |
| Predicted MW: | 32.6 kDa |
| Protein Sequence: | >RC218695 representing NM_001001716 Red=Cloning site Green=Tags(s) |

MNGATAAWAPWVRTQRPPEDLGWARSWARGCRGLPSSSATSLRMGTRFSAGTEYMDLQNDLQGTALHLAA
ILGETSTVEKLYAAGAGLCVAERRGHTALHLACRVGAHACARALLQPRPRRPREAPDTYLAQGPDRTPDT
NHTPVALYPDSLEKEEEEESEEDWKLQLEAENYEGHTPLHVAVIHKDVEMVRLLRDAGADLDKPEPTCGR
SPLHLAVEAQAADVLELLL RAGANPAARMYGGRTPLGSAMLRPNPILARLLRAHGAPEPEGEDEKSGPCS
SSSDSDSGDEGVSQEERQGGSPAGGSG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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|------------------|--|
| 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: | <u>NP_001001716</u> |
| RefSeq Size: | 2213 |
| RefSeq ORF: | 918 |
| Synonyms: | IKBB; TRIP9 |
| Locus ID: | 4793 |



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UniProt ID: [Q15653](#)

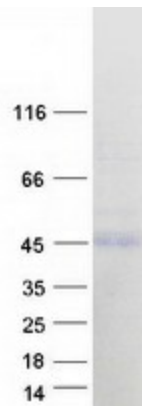
Cytogenetics: 19q13.2

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