

## Recombinant Human NFKBIB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NFKBIB-5974H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NFKBIB MS Standard C13 and N15-labeled recombinant protein (NP_002494) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | <p>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.</p> <p>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.</p> <p>Alternatively spliced transcript variants have been found for this gene.</p> |
| <b>Molecular Mass</b>   | 37.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MAGVACLGKAADADEWCDSGLGSLGPDAAPGGPGLGAELGPGLSWAPLVFGYV</p> <p>TEDGDTALHLAVIHQHEPFLDFLLGFSAGTEYMDLQNDLGQTALHLAAILGETSTVEK</p> <p>LYAAGAGLCVAERRGHTALHLACRVGAHACARALLQPRRRPREAPDTYLAQGPD</p> <p>RTPDTNHTPVALYPDSLEKEEEEESEEDWKLQLEAENYEGHTPLHVAVIHKDVEMV</p> <p>RLLRDAGADLDKPEPTCGRSPLHLAVEAQAADVLELLLRAGANPAARMYGGRTPLG</p> <p>SAMLRPNPILARLLRAHGAPEPEGEDEKSGPCSSSSDSDSGDEGDEYDDIVHSSR</p> <p>SQTRLPPPTASKPLPDDPRPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                                      |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

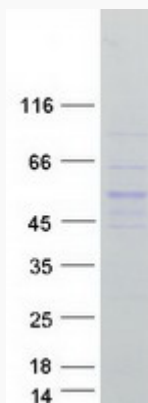
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NFKBIB NFKB inhibitor beta [ Homo sapiens (human) ]                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | NFKBIB                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | NFKBIB; nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta; NF-kappa-B inhibitor beta; IKBB; TRIP9; ikB-B; TRIP-9; ikB-beta; ikappaBbeta; NF-kappa-BIB; I-kappa-B-beta; TR-interacting protein 9; thyroid receptor-interacting protein 9; |
| <b>Gene ID</b>         | 4793                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_002503                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_002494                                                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 604495                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q15653                                                                                                                                                                                                                                                                    |

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**SDS-PAGE**

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