

## NFKB1 recombinant protein

Recombinant Human NFKB1 (N-6His)

CATALOG #  
**AAA177954**

HOST  
**E Coli**

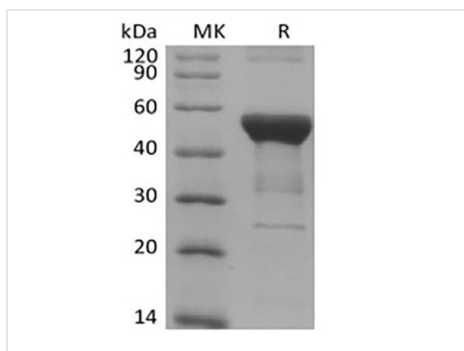
### PRODUCT SYNONYMS

NFKB1; Recombinant Human NFKB1 (N-6His); DNA-binding factor KBF1; EBP-1; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1; NFKB1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                         |
| Purity/Purification     | >90% as determined by reducing SDS-PAGE                                                                                                                                                                                                                        |
| Form/Format             | Lyophilized from a 0.2um filtered solution of 20mM Tris-HCl, 150mM NaCl, 20mM GSH, pH8.0.                                                                                                                                                                      |
| Sequence                | Met1-Gly43 4                                                                                                                                                                                                                                                   |
| Species                 | Human                                                                                                                                                                                                                                                          |
| Tag                     | N-6His                                                                                                                                                                                                                                                         |
| Endotoxin               | <1.0EU per ug as determined by the LAL method.                                                                                                                                                                                                                 |
| Reconstitution          | We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that the sterile water be added to the vial to prepare a stock soolution of 0.25 mg/mL. Concentration is measured by UV-Vis. |
| Preparation and Storage | Lyophilized protein should be stored at < -20°C, reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at <-20°C for 3 months.                                                                      |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NFKB1 recombinant protein | The 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 259155302                                                                                                                                                                                 |
| NCBI GeneID                      | 4790                                                                                                                                                                                      |
| NCBI Accession #                 | NP_001158884.1                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001165412.1                                                                                                                                                                            |
| UniProt Accession #              | P19838; Q68D84; Q86V43; Q8N4X7; Q9NZC0; A8K5Y5; B3KVE8                                                                                                                                    |
| Molecular Weight                 | Mol_Mass: 49.7 kDa<br>AP_Mol_Mass: 45-55 kDa                                                                                                                                              |
| NCBI Official Full Name          | nuclear factor NF-kappa-B p105 subunit isoform 2                                                                                                                                          |
| NCBI Official Synonym Full Names | nuclear factor of kappa light polypeptide gene enhancer in B-cells 1                                                                                                                      |
| NCBI Official Symbol             | NFKB1                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | p50; KBF1; p105; EBP-1; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B                                                                                                      |
| NCBI Protein Information         | nuclear factor NF-kappa-B p105 subunit; NF-kappabeta; DNA binding factor KBF1; DNA-binding factor KBF1; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA binding subunit |
| UniProt Protein Name             | Nuclear factor NF-kappa-B p105 subunit                                                                                                                                                    |
| UniProt Gene Name                | NFKB1                                                                                                                                                                                     |
| UniProt Entry Name               | NFKB1_HUMAN                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.