

## MAP3K14 Protein, Human, Recombinant (His & Myc)

### General Information

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|-----------------------|---|
| Synonyms:             | NF-kappa-beta-inducing kinase (HsNIK);NIK;MAP3K14;Serine/threonine-protein kinase NIK; Mitogen-activated protein kinase kinase kinase 14  |
| Protein Construction: | 400-655 aa  |
| Species:              | Human   |
| Expression Host:      | E. coli   |
| Accession:            | Q99558  |
| Molecular Weight:     | 35.4 kDa (predicted)  |
| AA Sequence:          | ATHQLRLGRGSFGEVHRMEDKQTGFQCAVKKVRLEVFRAEELMACAGLTSRIVPLYGAVREGPWVWNIFMEL<br>LEGGSLGQLVKEQGCLPEDRALYYLGQALEGLEYLHSRRILHGDVKADNVLLSSDGSAAALCDFGHAVCLQP<br>DGLGKSLLTGDYIPGTETHMAPEVVLGRSCDAKVDVWSSCCMMLHMLNGCHPWTQFFRGPLCLKIASEPPP<br>VREIPPSCAPLTAQAIQEGLRKEPIHRVSAEELGGKVNRL |

### QC Testing

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|----------------------|--|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.  |
| Purity:              | > 85% as determined by SDS-PAGE.   |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.  |
| Formulation:         | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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Lymphotoxin beta-activated kinase which seems to be exclusively involved in the activation of NF-kappa-B and its transcriptional activity. Promotes proteolytic processing of NFKB2/P100, which leads to activation of NF-kappa-B via the non-canonical pathway. Could act in a receptor-selective manner.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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