

Product datasheet

Recombinant Human NFkB Inducing Kinase NIK protein ab61262

1 Image

Description

Product name	Recombinant Human NFkB Inducing Kinase NIK protein
Purity	> 90 % SDS-PAGE.
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	104 kDa
Amino acids	318 to 947
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab61262** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid

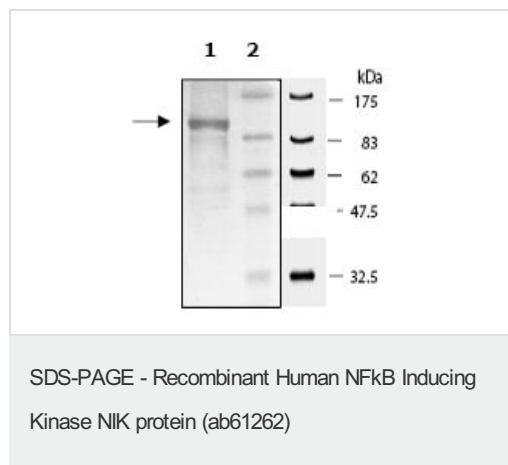
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% DTT, 0.395% Tris HCl, 0.05% Tween, 50% Glycerol, 0.58% Sodium chloride
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General Info

Function	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.
Tissue specificity	Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated. Phosphorylation at Thr-559 is required to activates its kinase activity and 'Lys-63'-linked polyubiquitination. Phosphorylated by CHUK/IKKA leading to MAP3K14 destabilization. Ubiquitinated. Undergoes both 'Lys-48'- and 'Lys-63'-linked polyubiquitination. 'Lys-48'-linked polyubiquitination leads to its degradation by the proteasome, while 'Lys-63'-linked polyubiquitination stabilizes and activates it.
Cellular localization	Cytoplasm.

Images



10% SDS-PAGE, 4 µg ab61262, coomassie stained.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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