

Product datasheet

Recombinant human MAP4K4/NIK protein ab101775

5 Images

Description

Product name	Recombinant human MAP4K4/NIK protein
Biological activity	The specific activity of ab101775 was determined to be 54 nmol/min/mg.
Purity	> 95 % SDS-PAGE. Purity was determined to be >95% by densitometry.
Expression system	Baculovirus
Accession	O95819
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	64 kDa including tags
Amino acids	1 to 328

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101775** in the following tested applications.

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

Applications	Western blot SDS-PAGE Functional Studies
Form	Liquid
Additional notes	ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity This product was previously labelled as MAP4K4

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50
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Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function

Serine/threonine kinase that may play a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway.

Tissue specificity

Appears to be ubiquitous. Expressed in all tissue types examined. Isoform 5 appears to be more abundant in the brain. Isoform 4 is predominant in the liver, skeletal muscle and placenta.

Sequence similarities

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CNH domain.

Contains 1 protein kinase domain.

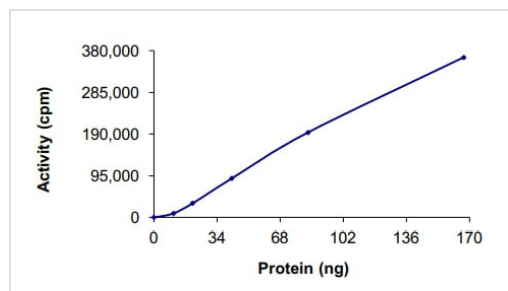
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

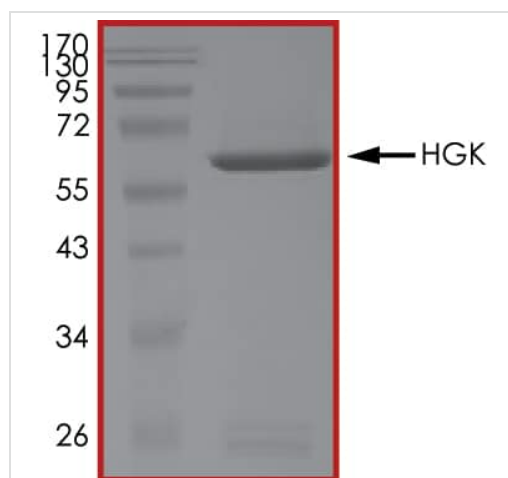
Cytoplasm.

Images



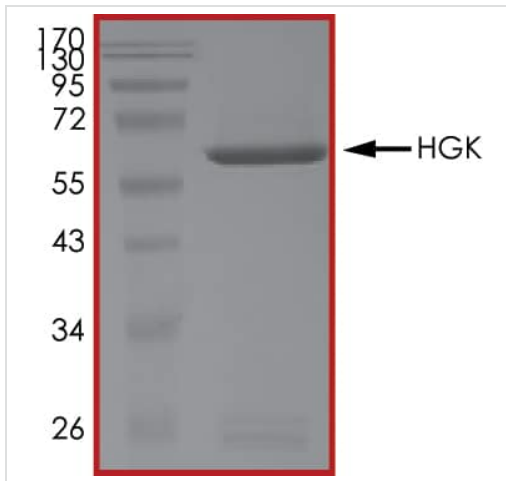
The specific activity of MAP4K4/NIK (ab101775) was determined to be 61 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human
MAP4K4/NIK protein (ab101775)



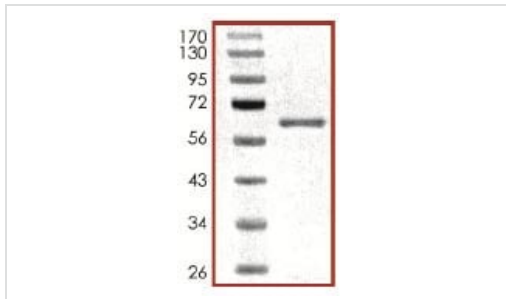
SDS PAGE analysis of ab101775

SDS-PAGE - Recombinant human MAP4K4/NIK
protein (ab101775)



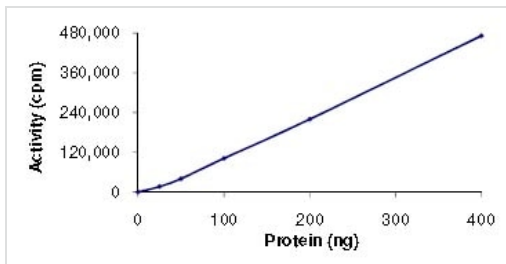
SDS PAGE analysis of ab101775

SDS-PAGE - Recombinant human MAP4K4/NIK protein (ab101775)



SDS-PAGE analysis of ab101775.

SDS-PAGE - Recombinant human MAP4K4/NIK protein (ab101775)



The specific activity of ab101775 was determined to be 54 nmol/min/mg.

Functional Studies - Recombinant human MAP4K4/NIK protein (ab101775)

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

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