

Product datasheet

Recombinant human NKF3 kinase family member/PEAK1 protein ab177257

2 Images

Overview

<b>Product name</b>	Recombinant human NKF3 kinase family member/PEAK1 protein
<b>Protein length</b>	Protein fragment

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">Q9H792</a>
<b>Species</b>	Human

<b>Sequence</b>	<p>KGAVDDAIAFGGKTDQEAPNASQPTPPPLPKKMIIRAN  TEPISKDLQKSM  ESSLCVMANPTYDIDPNWDASSAGSSISYELKGLDIES  YDSLRLRKR  PVPSAANSISLTTLSIKDRFSNSMESLSSRRGPSCRQ  GRGIQKPQRQAL  YRGLENREEVVGKIRSLHTDALKKLAVKCEDLFMAGQ  KDQLRFGVDSWSD  FRLTSDKPCCEAGDAVYYTASYAKDPLNNYAVKICKSK  AKESQQYYHSLA  VRQSLAVHFNIQQDCGHFLAEVFNRLLPWEDPDDPE  KDEDDMEETEEDAK  GETDGKNPKPCSEAASSQKENQGVMSKKQRSHVVVI  TREVPCLTVAADFVR  DSLQAHGKSPDLYERQVCLLLLQLCSGLEHLKPYHVT  HCDLRLNLLLH  YQPGGTAQGFPAEPSPTSSYPTRLVSNFSQAKQKS  HLVDPEILRDQSR  LAPEIITATQYKKCDEFQTGLIYEMHLHPNPFDENPELK  EREYTRADLP  RIPFRSPYSRGLQQLASCLLNPNPSEILISDAKGILQCL  LWGPREDLFQ  TFTACPSLVQRNTLLQNWLDIKRLLMIKFAEKSLDRE</p>
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<b>Molecular weight</b>	100 kDa including tags
<b>Amino acids</b>	1127 to 1746
<b>Tags</b>	proprietary tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab177257** in the following tested applications.

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

<b>Biological activity</b>	6 nmol/min/mg
<b>Applications</b>	Functional Studies SDS-PAGE
<b>Purity</b>	> 95 % Densitometry.

**Form** Liquid

**Additional notes** It is recommended to store this protein at -80°C in glycerol to preserve the activity of the protein.  
[ab204877](#) (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity  
This product was previously labelled as NKF3 kinase family member

## Preparation and Storage

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**Stability and Storage** Shipped on Dry Ice. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

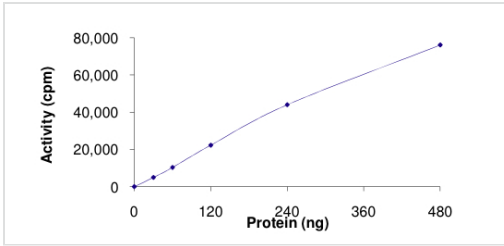
## General Info

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<b>Function</b>	Tyrosine kinase that may play a role in cell spreading and migration on fibronectin. May directly or indirectly affect phosphorylation levels of cytoskeleton-associated proteins MAPK1/ERK and PXN.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Phosphorylated on tyrosine in a CSK-dependent manner in response to adhesion to fibronectin and to EGF stimulation. Autophosphorylated in vitro.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Cell junction > focal adhesion. Colocalizes with F-actin in serum-rich medium. Actin colocalization is reduced during serum starvation.

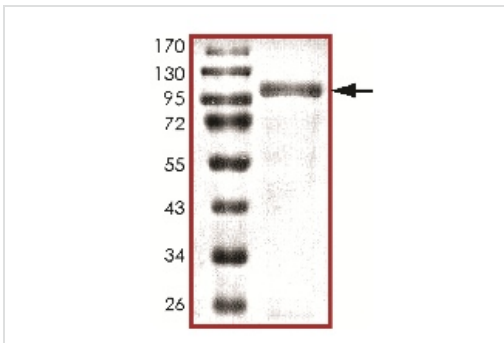
## Images

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The specific activity of ab177257 was determined to be 6 nmol/min/mg.

Functional Studies - Recombinant human NKf3 kinase family member/PEAK1 protein (ab177257)



SDS-PAGE analysis of ab177257.

SDS-PAGE - Recombinant human NKf3 kinase family member/PEAK1 protein (ab177257)

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

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