

Recombinant human NLK protein ab107700

画像数 2

製品の詳細

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| 製品名 | Recombinant human NLK protein |
| 生理活性 | Specific activity: 2.4 nmol/min/mg |
| 精製度 | > 85 % SDS-PAGE. The purity was determined to be >85% by densitometry. GST Affinity Column purified. |
| 発現系 | Baculovirus infected Sf9 cells |
| アクセッション番号 | <u>Q9UBE8</u> |
| タンパク質長 | Full length protein |
| Animal free | No |
| 由来 | Recombinant |
| 生物種 | Human |
| 予測される分子量 | 84 kDa including tags |
| 領域 | 1 to 527 |

特性

Our **Abpromise guarantee** covers the use of **ab107700** in the following tested applications.

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

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|----------|---|
| アプリケーション | SDS-PAGE Western blot Functional Studies |
| 製品の状態 | Liquid |
| 備考 | <u>ab64311</u> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity |

前処理および保存

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| 保存方法および安定性 | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 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 |
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能

Role in cell fate determination, required for differentiation of bone marrow stromal cells. Acts downstream of MAP3K7 and HIPK2 to negatively regulate the canonical Wnt/beta-catenin signaling pathway and the phosphorylation and destruction of the MYB transcription factor. May suppress a wide range of transcription factors by phosphorylation of the coactivator, CREBBP (By similarity). Involved in TGFbeta-mediated mesoderm induction, acting downstream of MAP3K7/TAK1 to phosphorylate STAT3.

配列類似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

Contains 1 protein kinase domain.

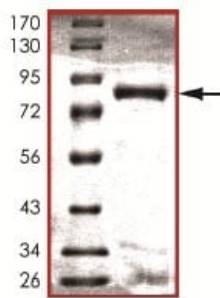
翻訳後修飾

Dually phosphorylated on Thr-303 and Tyr-305, which activates the enzyme.

細胞内局在

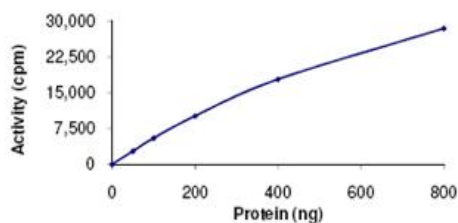
Nucleus. Cytoplasm. Predominantly nuclear. A smaller fraction is cytoplasmic.

画像



SDS-PAGE analysis of ab107700

SDS-PAGE - Recombinant human NLK protein
(ab107700)



Specific activity of ab107700 was determined to be 2.4 nmol/min/mg.

Functional Studies - Recombinant human NLK protein (ab107700)

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

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