

Recombinant mouse JNK1 protein ab60304

1 References 5 图像

描述	
产品名称	重组小鼠JNK1蛋白
生物活性	Specific activity: 124 nmol/min/mg. (lot K110-1) Specific activity: 92 nmol/min/mg. (lot C341-2)
纯度	> 90 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Mouse

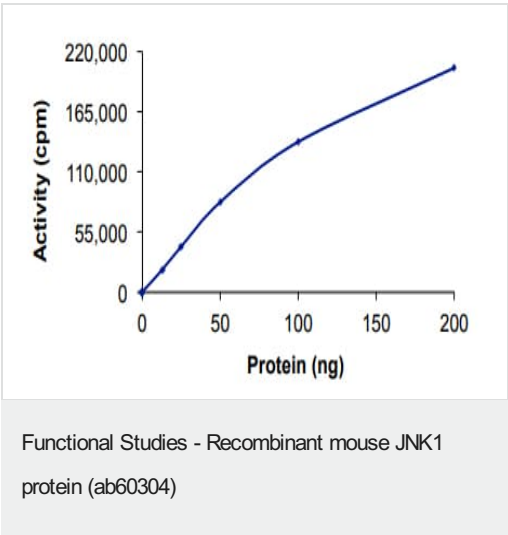
技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab60304</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies SDS-PAGE Western blot
形式	Liquid
补充说明	<b>ab43598</b> (Human ATF2 protein fragment) can be utilized as a substrate for assessing Kinase activity

制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 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.

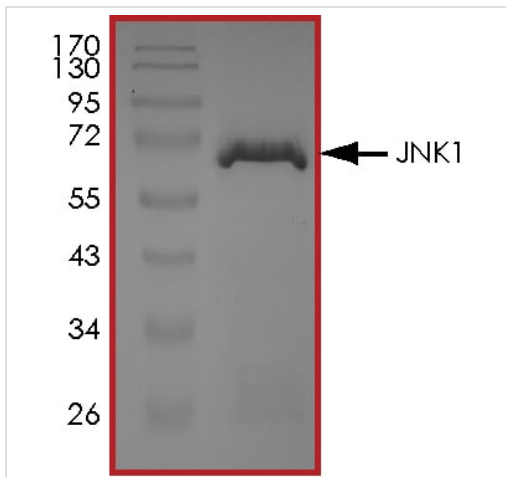
常规信息

功能	<p>Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells (By similarity). Phosphorylates heat shock factor protein 4 (HSF4).</p> <p>JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms.</p>
序列相似性	<p>Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>
结构域	<p>The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.</p>
翻译后修饰	<p>Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme.</p>

图片

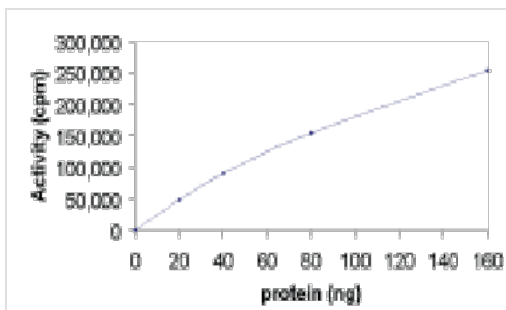


The specific activity of JNK1 (ab60304) was determined to be 94 nmol/min/mg as per activity assay protocol



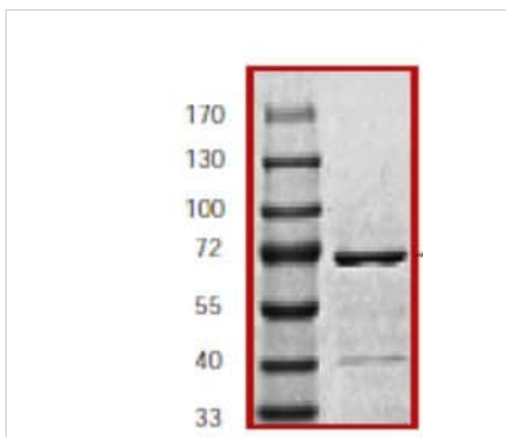
SDS PAGE analysis of ab60304

SDS-PAGE - Recombinant mouse JNK1 protein  
(ab60304)



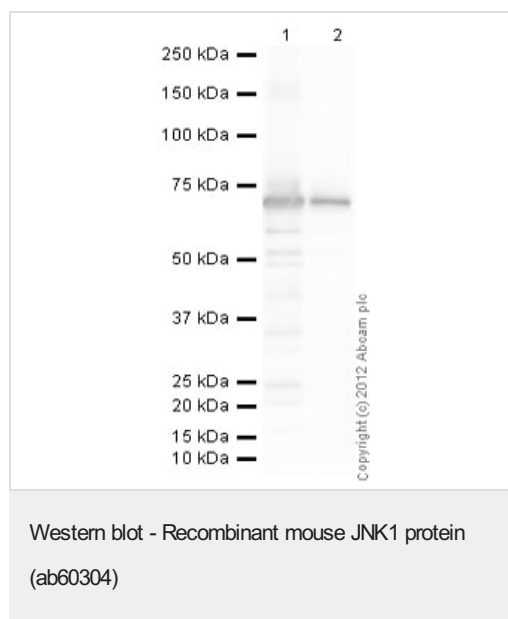
Sample Kinase assay plot.

Functional Studies - Recombinant mouse JNK1  
protein (ab60304)



ab60304 on SDS-PAGE.

SDS-PAGE - Recombinant mouse JNK1 protein  
(ab60304)



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

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