

Recombinant Src protein ab60884

4 References 画像数 5

製品の詳細

製品名	Recombinant Src protein
生理活性	116nmol/min/mg
精製度	> 90 % SDS-PAGE. Purity: >90% as determined by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>AAA42573.1</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Rous sarcoma virus

配列	MSPILGYWKI	KGLVQPTRL	LEYLEEKYEE
	HLYERDEGDK	WRNKKFELGL	EFPNLPYYID
	GDVKLTQSMA	IIRYIADKHN	MLGGCPKERA
	EISMLEGAVL	DIRYGVSRIA	YSKDFETLKV
	DFLSKLPEML	KMFEDRLCHK	TYLNGDHVTH
	PDFMLYDALD	VVLYMDPMCL	DAFPKLVCFK
	KRIEAIQID	KYLKSSKYIA	WPLQGWQATF
	GGGDHPPKSD	LVPRGSPEF	MGSSKSKPKD
	PSQRRRSLEP		
	PDSTHHGGFP	ASQTPNKTA	PDTHRTPSRS
	FGTVATEPKL	FGDFNTSDTV	TSPQRAGALA
	GGVTTFVALY	DYESWIETDL	SFKKGERLQI
	VNNTEGNWWL	AHSVTTGQTG	YIPSNYVAPS
	DSIQAEWYF	GKITRRESER	LLLNPENPRG
	TFLVRESETT	KGAYCLSVSD	FDNAKGLNVK
	HYKIRKLDSG	GFYITSRTQF	SSLQQLVAYY
	SKHADGLCHR	LTNVCPTSKP	QTQGLAKDAW
	EIPRESLRLE	VKLGQGCFCG	VWMTWNGTT
	RVAIKTLKPG	TMSPEAFLQE	AQVMKKLRHE
	KLVQLYAVVS	EEPIYIVIEY	MSKGSLLDFL
	KGKYLRLPQL	VDMAAQIASG	MAYVERMNYV
	HRDLRAANIL	VGENLVCKVA	DFGLARLIED
	NEYTARQGAK	FPIKWTAPEA	ALYGRFTIKS
	DVWSFGILLT	ELTTKGRMPY	PGMGNGEVLD
	RVERGYRMPC	PPECPESLHD	LMCQCWRRDP

予測される分子量 85 kDa
 タグ GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab60884** in the following tested applications.

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

アプリケーション SDS-PAGE
 Functional Studies

製品の状態 Liquid

備考 **ab204883** (CDK1 peptide) can be utilized as a substrate for assessing kinase activity

前処理および保存

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: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol, 0.87% Sodium chloride
 This product is an active protein and may elicit a biological response in vivo, handle with caution.

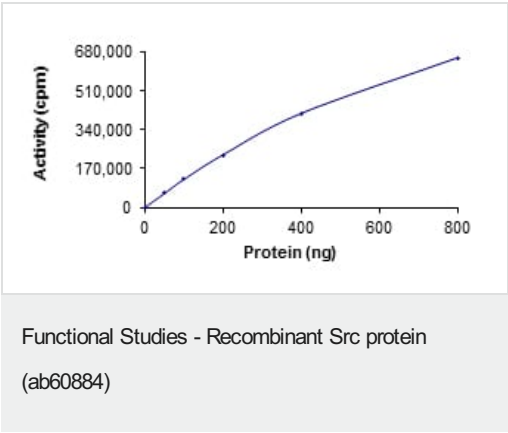
関連情報

機能 Non-receptor protein tyrosine kinase that plays pivotal roles in numerous cellular processes such as proliferation, migration, and transformation. In concert with PTK2B, plays an important role in osteoclastic bone resorption. Both the formation of a SRC-PTK2B complex, and SRC kinase activity are necessary for this function. Once it is recruited to the activated integrins, by PTK2B, it phosphorylates CBL which in turn induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. Promotes energy production in osteoclasts by activating mitochondrial cytochrome C oxidase. Phosphorylates RUNX3 and COX2 on tyrosine residues, TNK2 on 'Tyr-284' and CBL on 'Tyr-731'. Enhances DDX58/RIG-I-elicited antiviral signaling.

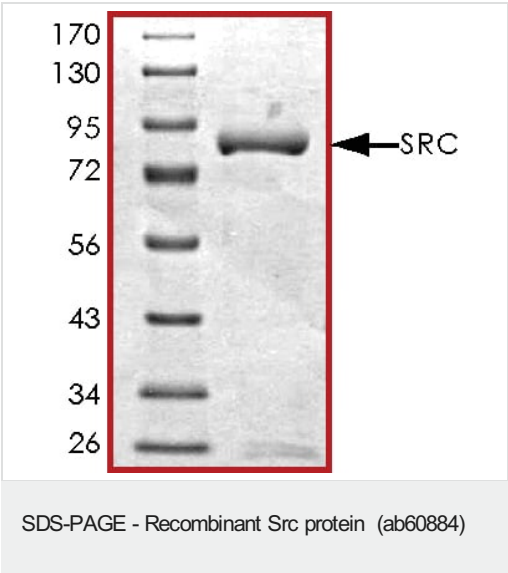
配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.
 Contains 1 protein kinase domain.
 Contains 1 SH2 domain.
 Contains 1 SH3 domain.

翻訳後修飾 Dephosphorylated at Tyr-530 by PTPRJ (By similarity). Phosphorylated on Tyr-530 by c-Src kinase (CSK). The phosphorylated form is termed pp60c-src. Dephosphorylated by PTPRJ at Tyr-419. Normally maintained in an inactive conformation with the SH2 domain engaged with Tyr-530, the SH3 domain engaged with the SH2-kinase linker, and Tyr-419 dephosphorylated. Dephosphorylation of Tyr-530 as a result of protein tyrosine phosphatase (PTP) action disrupts the intramolecular interaction between the SH2 domain and Tyr-530, Tyr-419 can then become autophosphorylated, resulting in SRC activation. Phosphorylation of Tyr-530 by CSK allows this interaction to reform, resulting in SRC inactivation.
 S-nitrosylation is important for activation of its kinase activity.

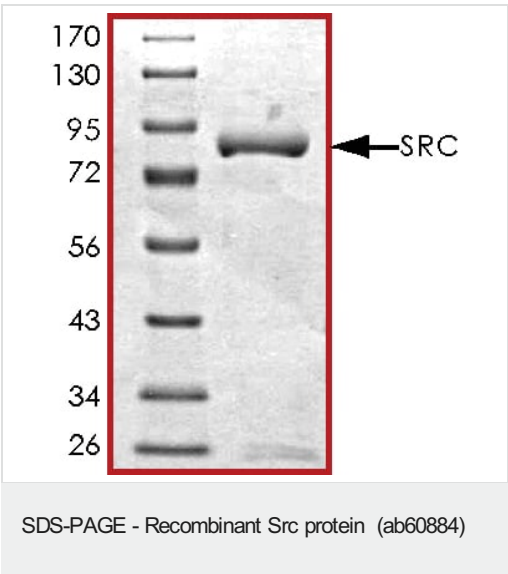
画像



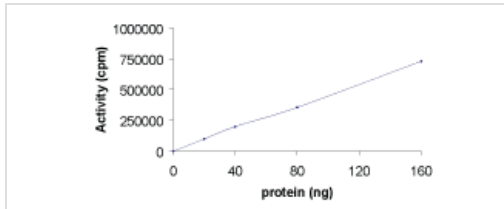
The specific activity of Src (ab60884) was determined to be 112 nmol/min/mg as per activity assay protocol



SDS PAGE analysis of ab60884

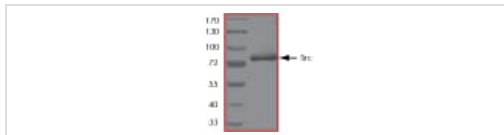


SDS PAGE analysis of ab60884



Sample Kinase Activity Plot.

Functional Studies - Recombinant Src protein
(ab60884)



ab60884 on SDS-PAGE, MW ~85 kDa.

SDS-PAGE - Recombinant Src protein (ab60884)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors