

Product datasheet

Recombinant Human Crk p38 protein ab101046

1 Image

Description

<b>Product name</b>	Recombinant Human Crk p38 protein	
<b>Purity</b>	> 95 % SDS-PAGE. ab101046 was purified by using conventional chromatography.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P46108</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHSSGLVPRGSHMAGNFDSEERSSWYWGR LSRQEAVALLQGQ RHGVFLVRDSSSTSPGDYVLSVSENSRVSHYINSSGPRPP VPPSPAQPPP GVSPSRLRIGDQEFDSLPALEFYKIHLYLDTTTLIEPVSRSR QGSGVILR QEEAEYVRALFDNFNGNDEEDLPFKKGDILRIRDKPEEQW WNAEDSEGKRG MIPVPYVEKYRPASASVSALIGGR	
<b>Predicted molecular weight</b>	25 kDa	
<b>Amino acids</b>	1 to 224	
<b>Tags</b>	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101046** in the following tested applications.  
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Mass Spectrometry SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

Preparation and Storage

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**Stability and Storage**

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

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**General Info****Function**

The Crk-I and Crk-II forms differ in their biological activities. Crk-II has less transforming activity than Crk-I. Crk-II mediates attachment-induced MAPK8 activation, membrane ruffling and cell motility in a Rac-dependent manner. Involved in phagocytosis of apoptotic cells and cell motility via its interaction with DOCK1 and DOCK4.

**Sequence similarities**

Belongs to the CRK family.

Contains 1 SH2 domain.

Contains 2 SH3 domains.

**Domain**

The C-terminal SH3 domain function as a negative modulator for transformation and the N-terminal SH3 domain appears to function as a positive regulator for transformation.

The SH2 domain mediates interaction with SHB.

**Post-translational modifications**

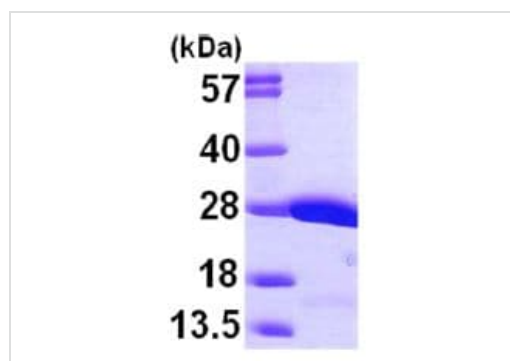
Phosphorylation of Crk-II (40 kDa) gives rise to a 42 kDa form.

Phosphorylated on Tyr-221 upon cell adhesion. Results in the negative regulation of the association with SH2- and SH3-binding partners, possibly by the formation of an intramolecular interaction of phosphorylated Tyr-221 with the SH2 domain. This leads finally to the down-regulation of the Crk signaling pathway.

**Cellular localization**

Cytoplasm. Cell membrane. Translocated to the plasma membrane upon cell adhesion.

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**Images**

ab101046, at 3 µg, analysed by 15 % SDS PAGE.

SDS-PAGE - Recombinant Human Crk p38 protein  
(ab101046)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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