abcam

Product datasheet

Recombinant Human PKA R2/PKR2 protein ab132177

1 Image

Description

Product name	Recombinant Human PKA R2/PKR2 protein
Expression system	Wheat germ
Accession	**Q9BUB1**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSHIQIPPGLTELLQGYTVEVLRQQPPDLVEFAVEYFTRLR EARAPASVL PAATPRQSLGHPPPEPGPDRVADAKGDSESEEDEDLEV PVPSRFNRRVSV CAETYNPDEEEEDTDPRVIHPKTDEQRCRLQEACKDILLF KNLDQEQLSQ VLDAMFERIVKADEHVIDQGDDGDNFYVIERGTYDILVTKD NQTRSVGQY DNRGSFGELALMYNTPRAATIVATSEGSLWGLDRVTFRRII VKNNAKKRK MFESFIESVPLLKSLEVSERMKIVDVIGEKIYKDGERIITQTK SNKDGGN QEVEIARCHKGQYFGELALVTNKPRAASAYAVGDVKCLV MDVQAFERLLG PCMDIMKRNISHYEEQLVKMFGSSVDLGNLGQ
Predicted molecular weight	70 kDa including tags
Amino acids	1 to 382

Specifications

Our **Abpromise guarantee** covers the use of **ab132177** in the following tested applications.

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

Applications	ELISA
	Western blot
	SDS-PAGE

Form	Liquid
Additional notes	This product was previously labelled as PKA R2.

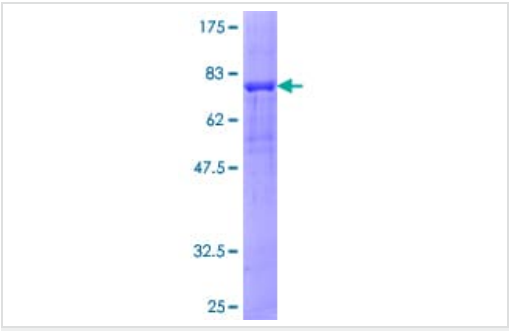
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.
Tissue specificity	Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible.
Sequence similarities	Belongs to the cAMP-dependent kinase regulatory chain family. Contains 2 cyclic nucleotide-binding domains.
Post-translational modifications	Phosphorylated by the activated catalytic chain.
Cellular localization	Cytoplasm. Cell membrane. Colocalizes with PJA2 in the cytoplasm and the cell membrane.

Images



SDS-PAGE - Recombinant Human PKA R2/PKR2 protein (ab132177)

12.5% SDS-PAGE analysis of ab132177 stained with Coomassie Blue.

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- 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
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