abcam

Product datasheet

Recombinant Human DBF4B/DRF1 protein ab164212

1 Image

Description

Product name	Recombinant Human DBF4B/DRF1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSEPGKGDDCLELESSMAESRLRAPDLGVSRCLGKCQK NSPGARKHPFSG KSFYLDLPAGKNLQFLTGAIQQLGGVIEGFLSKEVSYIVSS RREVKAESS GKSHRGCPSPSPSEVRVETSAMVDPKGSHPRPSRKPVD SVPLSRGKELLQ KAIRNQVSWGKMGQSRWSPA
Amino acids	1 to 170
Tags	GST tag N-Terminus
Additional sequence information	Isoform 4.

Specifications

Our **Abpromise guarantee** covers the use of **ab164212** 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
Form	Liquid
Additional notes	This product was previously labelled as DBF4B. ab164212 is DBF4B/DRF1 isoform 4.

Preparation and Storage

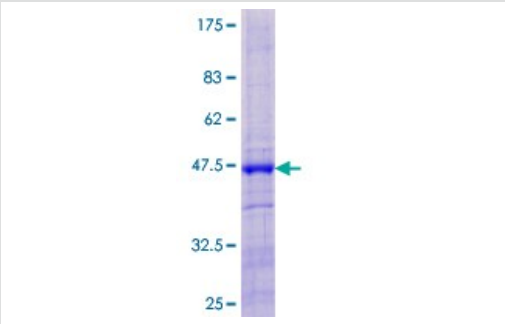
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.

pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Regulatory subunit for CDC7 which activates its kinase activity thereby playing a central role in DNA replication and cell proliferation. Required for progression of S and M phases. The complex CDC7-DBF4B selectively phosphorylates MCM2 subunit at 'Ser-40' and then is involved in regulating the initiation of DNA replication during cell cycle.
Tissue specificity	Widely expressed. Highly expressed in testis.
Sequence similarities	Contains 1 BRCT domain. Contains 1 DBF4-type zinc finger.
Developmental stage	Increases as cells enter in S phase through G2/M phase. The protein has a short half-life (at protein level).
Post-translational modifications	Phosphorylated.
Cellular localization	Nucleus. Predominantly found in soluble fraction but not in the chromatin-bound fraction.

Images



SDS-PAGE - Recombinant Human DBF4B/DRF1 protein (ab164212)

ab164212 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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.com/abpromise** or contact our technical team.

Terms and conditions

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