

Product datasheet

Recombinant Human DBF4B/DRF1 protein ab174934

Overview

Product name	Recombinant Human DBF4B/DRF1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Molecular weight	67 kDa
Amino acids	201 to 299

Specifications

Our [Abpromise guarantee](#) covers the use of **ab174934** in the following tested applications.

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

Form	Liquid
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Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Information available upon request.
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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.

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