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Datasheet for ABIN7553631

DBF4B/DRF1 Protein (AA 1-615) (His tag)

Overview

Quantity:	1 mg
Target:	DBF4B/DRF1 (DBF4B)
Protein Characteristics:	AA 1-615
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBF4B/DRF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DBF4B Protein expressed in mammalien cells.
Sequence:	MSEPGKGDDC LELESSMAES RLRAPDLGVS RCLGKCQKNS PGARKHPFSG KSFYLDLPAG KNLQFLTGAI QQLGGVIEGF LSKEVSYIVS SRREVKAESS GKSHRGCPSP SPSEVRVETS AMVDPKGSHP RPSRKPVDVSL PLSRGKELLQ KAIRNQGSIS GGGSGGSSSL LTNARSWGVR ILHVDEMMMH VQQLSLASLC VKKQQPCKPE GTCPPAESRT RKVARLKAPF LKIEDESRKF RPFHHQFKSF PEISFLGPKD ASPFEAPTTL GSMHHTRESK DGEPSPRSAA HTMPRRKKG CECCQEAFFEE LHVHLQSAQH RSFALEAHLV AEVDRIIAQL SHSFADIPFQ AGLPRWSGSP ASDCDPLCPE TLHPHQPSHP RAASPRIRKE DSCQASVTQG RAAGQQRWTE SLDGVMGPPA SHTCVSATTLLPALPKGSRE QGCLCPCPAS FTQSHLVTSL ALLPGEWSPA EDMPLHPSQE NSFAPADIPV KGPLLFPEAR PWLMSARCWW RPFPFVTWGC LIPHDTTPLH EEVSPCPLR LGYLILLTQ SLWCRVRVPS LSTAGPIVRT SHPCTLAFPS YLNDHDLGHL CQAKPQGWNT PQPFLHCGFL AVDSG Sequence without tag. The proposed Purification-Tag is based on

experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

DBF4B/DRF1 (DBF4B)

Alternative Name:

DBF4B ([DBF4B Products](#))

Background:

Protein DBF4 homolog B (Activator of S phase kinase-like protein 1) (ASK-like protein 1) (Chiffon homolog B) (Dbf4-related factor 1),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. {ECO:0000269|PubMed:12065429, ECO:0000269|PubMed:15668232, ECO:0000269|PubMed:17062569}.

Molecular Weight:

67.2 kDa

UniProt:

[Q8NFT6](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
