

Datasheet for ABIN7553621
DBF4 Protein (AA 1-674) (His tag)



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Overview

Quantity:	1 mg
Target:	DBF4
Protein Characteristics:	AA 1-674
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBF4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DBF4 Protein expressed in mammalian cells.
Sequence:	MNSGAMRIHS KGHFQGGIQV KNEKNRPSLK SLKTDNRPEK SKCKPLWGKV FYLDLPSVTI SEKLQDKIDK LGGRVEEFLS KDISYLISNK KEAKFAQTLG RISPVPSPES AYTAETTS PSHDGSSFKS PDTVCLSRGK LLVEKAIKDH DFIPSNSILS NALSWGKIL HIDDIRYYIE QKKKELYLLK KSSTSVRDGG KRVGSGAQKT RTGRLKPPFV KVEDMSQLYR PFYLQLTNMP FINYSIQKPC SPFDVDPKSS MQKQTQVKLR IQTDGDKYGG TSIQLQLKEK KKKGYCECCL QKYEDLETHL LSEQHRNFAQ SNQYQVDDI VSKLVDFVE YEKDTPKKKR IKYSVGSLS VSASVLKTE QKEKVELQHI SQKDCQEDDT TVKEQNFLYK ETQETEKLL FISEPIPHPS NELRGLNEKM SNKCSMLSTA EDDIRQNFTQ LPLHKNKQEC ILDISEHTLS ENDLEELRVD HYKCNIQASV HVSDFSTDNS GSQPKQKSDT VLFPKDLKE KDLHSIFTHD SGLITINSSQ EHLTVQAKAP FHTPPEEPNE CDFKNMDSLP SGKIHRKVKI ILGRNRKENL EPNAEFDKRT EFITQEENRI CSSPVQSLLD LFQTSEEKSE FLGFTSYTEK SGICNVLDIW EEENSDNLLT AFFSSPSTST FTGF Sequence without tag. The proposed Purification-Tag is based on

Product Details

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DBF4

Alternative Name: DBF4 ([DBF4 Products](#))

Background: Protein DBF4 homolog A (Activator of S phase kinase) (Chiffon homolog A) (DBF4-type zinc finger-containing protein 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 phase. The complex CDC7-DBF4A selectively phosphorylates MCM2 subunit at 'Ser-40' and 'Ser-53' and then is involved in regulating the initiation of DNA replication during cell cycle. {ECO:0000269|PubMed:10373557, ECO:0000269|PubMed:10523313, ECO:0000269|PubMed:17062569}.

Molecular Weight: 76.9 kDa

Target Details

UniProt: [Q9UBU7](#)

Pathways: [Mitotic G1-G1/S Phases, DNA Replication](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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
