Protein DBF4 Homolog A (DBF4) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein DBF4 homolog A (Dbf4), Recombinant Protein
Full Product Name	Recombinant Mouse Protein DBF4 homolog A (Dbf4)
Product Gene Name	Dbf4 recombinant protein
Product Synonym Gene Name	Dbf4
Sequence	MNLETMRIHS KAPLPGGIQD RNEKNRPSLK SLKADNRLEK SKYKPLWGKI FYLDLPSITI CEKLQKDIKE LGGRVEEFLS KDISYFVSNK KEAKYAQTLG RVSPVPSPES AYTAETTSPH PSHDGSSFKS QDRVCLSRGK LLAEKAVKDH DFIPANSILS NALSWGVKIL HIDDIRYYIE QKKKALSALK KSSASGKDAG KKAGPGIQKT RTGRLKKPFL KVEDVNRCYR PFYLQLPSLP CINYFLQKPC SPFDIEKSSS VQKQAQPKLR INMDGDKCGT PVQLQLKEKR KKGYCECCLQ KYEDLETHLL SEKHRNFAQS NQYQVVDDIV SQLVFDFVEY GRDTPQKKRI RYSVGSLSSV SANVLKNTAP KEKPLLEPNF QKDVGESSGH LLKPNSQYEE TQKPEEKHGF ASEPTTYSSA GLKGCDRKPV SMFNASEPDP EQEYAQLPLR DSTPEHQVTE GRNDGEQRVD PAPGVSQSCG QVSHLSTESN LPQPQLAADI TQLSAKDLQE KGFHVVIGHA SDLVALNTSK EQLTMKARTP PCSPQEPHEC DTENMENLPC GKIQRKVRML LGQQKANAEP SAELDKKRTE YLPAHEDRTC GSPVQSLLDL FQTSEEKSEF LGFTGYTENS GICDVLDIWE EENSSTLLST FFSSPSTSAF VGF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	36,324 Da
Sequence Positions	1-663, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9QZ41
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dbf4 recombinant protein	MBS1324554 is a recombinant protein targeting Dbf4. Also known as Recombinant Mouse Protein DBF4 homolog A (Dbf4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dbf4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dbf4. It may not necessarily be applicable to this product.

NCBI GI #	300192925
NCBI GeneID	27214

NCBI Accession #	NP_001177646.1
UniProt Primary Accession #	Q9QZ41
UniProt Secondary Accession #	Q3TQP4; Q3V1K2; Q6NSQ1; Q9CXF2; B7ZNS0
UniProt Related Accession #	Q9QZ41
GenBank Nucleotide #	NM_001190717.1
NCBI Official Full Name	protein DBF4 homolog A isoform 2
NCBI Official Synonym Full Names	DBF4 zinc finger
NCBI Official Symbol	Dbf4
NCBI Official Synonym Symbols	Ask; AA545217
UniProt Protein Name	Protein DBF4 homolog A
UniProt Synonym Protein Names	MuDBF4
Protein Family	DDK kinase regulatory
UniProt Gene Name	Dbf4
UniProt Synonym Gene Names	Dbf4a
NCBI Protein Information	protein DBF4 homolog A
UniProt Comments for Dbf4	Regulatory subunit for CDC7 which activates its kinase activity thereby playing a central role DNA in 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.
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