

Product datasheet for **RC206120L1V**

DBF4 (NM_006716) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DBF4 (NM_006716) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DBF4
Synonyms:	ASK; CHIF; DBF4A; ZDBF1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006716
ORF Size:	2022 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206120).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_006716.3
RefSeq Size:	3923 bp
RefSeq ORF:	2025 bp
Locus ID:	10926
UniProt ID:	Q9UBU7
Cytogenetics:	7q21.12
Domains:	ZnF_DBF
Protein Families:	Druggable Genome



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Protein Pathways: Cell cycle

MW: 76.9 kDa

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]