

## Product datasheet for MR222368L4

# Dbf4 (NM\_001190717) Mouse Tagged Lenti ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** Dbf4 (NM\_001190717) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Dbf4

Synonyms: AA545217; Ask

**Mammalian Cell** Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

The ORF insert of this clone is exactly the same as(MR222368). **ORF Nucleotide** 

Sequence:

**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.



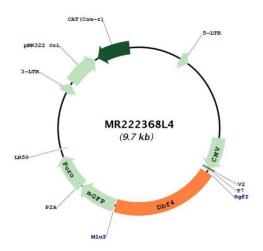
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#### Plasmid Map:



**ACCN:** NM\_001190717

ORF Size: 1986 bp

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001190717.1</u>, <u>NP 001177646.1</u>

RefSeq Size: 2441 bp RefSeq ORF: 1989 bp



### Dbf4 (NM\_001190717) Mouse Tagged Lenti ORF Clone - MR222368L4

 Locus ID:
 27214

 UniProt ID:
 Q9QZ41

 Cytogenetics:
 5 A1

**Gene Summary:** 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.[UniProtKB/Swiss-Prot

Function]