

## Product datasheet for **SC207653**

### DEPDC5 (NM\_001007188) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** DEPDC5 (NM\_001007188) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DEPDC5  
**Synonyms:** DEP.5; FFEVF; FFEVF1  
**ACCN:** NM\_001007188  
**Insert Size:** 592 bp  
**Insert Sequence:** >SC207653 3'UTR clone of NM\_001007188  
 The sequence shown below is from the reference sequence of NM\_001007188. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACACCAGCACTCGAGAGCACCTAGGATAAGTGCAGTGATGCAATCACAGCTCACCTCAGTGCCGCT
TGAATCCTGGACTCAATCGATCCTCCACCTCTGCCTCCAAGTAACTGGGACTATAGCATGCCACCA
CACCCAGCTGATTATCATATTTTTTTTTGTAGAGGTGGGGAAGTGCAGTGATGCAATCACAGCTCACCT
CAGTGCCGCTTGAACCTCTGGACTCAATTGATCCTCCACTTCTGCCTCCAAGTAACTGGGACTATA
GCATGCCACCACCCAGCTGATTATCATATTTTTTTTTGTAGAGGTGGGTTTTACCATTCCCAGGCT
GGTCTTGAACCTCTGGACTCGAGGGATCCACCCATTGGCCTCCTAAAGTCTGAGATTACAGGCATGAA
CCAATGTTACCGACCCTGCCTCTATTATACTATTTTTTTGTTAGCCTTCTTCATCCATCATTTAACT
GTATGCCTTTCCATATGTTAATGGAAAGCTTTCTTAGGCCTAGGGTCAAAGGGTTTATTTCTTATG
ATTTCCATTTGTCCATATATAAAACAACCTCTGTCTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_001007188.4](#)

**Summary:** This gene encodes a member of the IML1 family of proteins involved in G-protein signaling pathways. The mechanistic target of rapamycin complex 1 (mTORC1) pathway regulates cell growth by sensing the availability of nutrients. The protein encoded by this gene is a component of the GATOR1 (GAP activity toward Rags) complex which inhibits the amino acid-sensing branch of the mTORC1 pathway. Mutations in this gene are associated with autosomal dominant familial focal epilepsy with variable foci. A single nucleotide polymorphism in an intron of this gene has been associated with an increased risk of hepatocellular carcinoma in individuals with chronic hepatitis C virus infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

**Locus ID:** 9681

**MW:** 22.3