

Product datasheet for **SC200871**

DEPDC5 (NM_001136029) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DEPDC5 (NM_001136029) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DEPDC5
Synonyms:	DEP.5; FFEVF; FFEVF1
ACCN:	NM_001136029
Insert Size:	1566 bp



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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:

58.1