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Product datasheet for SC309877

CAIN (CABIN1) (NM_012295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAIN (CABIN1) (NM_012295) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABIN1
Synonyms:	CAIN; KB-318B8.7; PPP3IN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309877 representing NM_012295. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTCGAATTGCAGCCTTAAATGCCAGCTCCACCATTGAGGATGATCATGAAGGAAGCTTTAAAAGT
CACAAAACCCAGACAAAGGAGGCTCAGGAAGCAGAGGCTTTTGCATTGTACCACAAGGCCCTTGATCTG
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TTGGCGGAGGTCGTGCTCAGCGTCTACCACAGCTGGAGGAGGCACAGCACCAGCCTGCCCAACCCGCTG
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AGCGAGACAGACGAGGACGACGACTACATGGACATTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_012295

Insert Size: 6663 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_012295.3
RefSeq Size:	7222 bp
RefSeq ORF:	6663 bp
Locus ID:	23523
UniProt ID:	Q9Y6J0
Cytogenetics:	22q11.23
Domains:	TPR
Protein Families:	Druggable Genome
MW:	246.4 kDa
Gene Summary:	Calcineurin plays an important role in the T-cell receptor-mediated signal transduction pathway. The protein encoded by this gene binds specifically to the activated form of calcineurin and inhibits calcineurin-mediated signal transduction. The encoded protein is found in the nucleus and contains a leucine zipper domain as well as several PEST motifs, sequences which confer targeted degradation to those proteins which contain them. Alternative splicing results in multiple transcript variants encoding two different isoforms. [provided by RefSeq, Jan 2011] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a).