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Product datasheet for SC304411

CABP2 (NM_016366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABP2 (NM_016366) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABP2
Synonyms:	DFNB93
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304411 representing NM_016366. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGGGAACTGTGCCAAGCGGCCCTGGCGCCGGGGCCCTAAGGACCCCTTGCAGTGGCTCGGCTCCCCA CCAAGGGGCTCCTGCCCCAGCCCCAGCTCCAGCCCCAAGGAGCAGGGGGACCCCGCGCCAGGCGTCCAG GGCTACTCGGTGCTCAACAGCCTGGTGGGGCCTGCCTGCATCTTCCTGCGGCCCAGCATTGCCGCCACC CAACTCGACCGGGAGCTGCGGCCCGAGGAGATTGAAGAGCTGCAGGTCGCCTTCCAGGAGTTTGACCGA GACCGGGACGGCTACATTGGCTGCCGGGAGCTGGGTGCCTGCATGCGGACCCTGGGCTACATGCCCACC GAGATGGAGCTCATCGAGATCTCACAACAAATCAGTGGCGGAAAGGTGGACTTTGAAGACTTCGTGGAG CTGATGGGCCCCAAGCTGCTGGCAGAGACGGCAGACATGATCGGTGTCCGGGAGCTACGGGACGCCTTC CGGGAGTTCGACACCAATGGGGACGGCCGCATCAGCGTGGGCGAGCTCCGGGCGGCCCTCAAGGCCCTG CTGGGGGAGCGCCTCAGCCAGCGGGAGGTGGACGAGATCCTCCAGGACGTGGACCTCAATGGGGACGGT CTGGTCGACTTCGAAGAGTTTGTGCGAATGATGTCTCGGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_016366
Insert Size:	663 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).

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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_016366.2
RefSeq Size:	957 bp
RefSeq ORF:	663 bp
Locus ID:	51475
UniProt ID:	Q9NPB3
Cytogenetics:	11q13.2
MW:	24.5 kDa
Gene Summary:	This gene belongs to a subfamily of calcium binding proteins that share similarity to calmodulin. Like calmodulin, these family members can likely stimulate calmodulin-dependent kinase II and the protein phosphatase calcineurin. Calcium binding proteins are an important component of calcium mediated cellular signal transduction. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (1) uses an alternate splice junction in a coding exon compared to variant 3. The resulting isoform (1) has a shorter and distinct N-terminus compared to isoform 3.