OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC324676

CABP (CABP1) (NM_001033677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABP (CABP1) (NM_001033677) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABP
Synonyms:	CALBRAIN; HCALB_BR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_001033677.1
CGCCCCCAGATCTGCACCGCCAGCCGCCGGGAGCTCCGGGCTCCGGGCGTAGAGGCTGCG
CTGTCACATGGGCGGCGGCGACGGGGCCGCATTTAAGCGGCCGGGGGACGGCGCCCGCCT
CCAGCGCGTCCTCGGGCTTGGCTCCCGCCGGGAGCCCCGTTCTCTGCCCGCCGGGGGCCC
CGCGCCGCGCCGCACCGCGCCGCCCCCGCCGGGCCATGCGAGCGCGGGCCCCGCCGCGAT
GAGCTCGCACATCGCCAAAAGCGAGTCCAAGACGTCGCTGCTGAAGGCGGCGGCGGCGGC
GGCGAGCGGGGGCAGCCGGGCTCCCCGCCACGGCCCTGCCCGGGACCCGGGGCTGCCTAG
CCGCCGGCTACCCGGCTCCTGCCCGGCGACGCCGCAGTCGTCCGGGGACCCCAGTTCGCG
GAGGCCCCTGTGCCGGCCGGCGCCGCGAGAGGAGGGCGCGCGGGGGAGCCAGCGTGTGCT
CCCCCGGGCGCACTGCAGGCCCCGGGAGGCGCTGCCGGCCGCGGCGTCCCGACCTTCGCC
GTCGTCGCCGCTGCCGCCGGCCCGCGGGCGGGATGGGGAGGAACGGGGACTGTCCCCGGC
GCTCGGCCTCCGGGGCTCTCTGCGAGCCCGGGGCCGCGGGGACTCCGTTCCAGCCGCCGC
GTCCGAGGCGGACCCGTTCCTCCACCGGCTGCGCCCCATGCTCAGCTCCGCCTTTGGCCA
GGATAGATCACTGCGACCAGAGGAAATTGAAGAGCTCCGAGAGGCCTTCAGAGAATTCGA
CAAGGACAAGGATGGCTACATCAACTGCCGGGATCTGGGCAACTGCATGCGCACCATGGG
CTACATGCCCACCGAGATGGAGCTCATCGAACTGTCCCAGCAGATCAACATGAACCTGGG
TGGCCATGTAGATTTTGATGACTTCGTGGAGCTAATGGGGCCTAAACTCCTGGCAGAGAC
AGCAGATATGATTGGTGTAAAGGAACTGCGAGATGCTTTCCGAGAGTTTGACACCAATGG
TGATGGGGAAATAAGCACCAGTGAGCTGCGAGAGGCTATGAGGAAGCTCCTGGGTCATCA
GGTGGGACACCGAGACATAGAGGAAATTATCCGAGATGTGGACCTCAATGGGGATGGACG
AGTGGACTTTGAAGAGTTTGTCCGGATGATGTCCCGCTGAGGCCGCGAGGGCCCCTCCAG
GACTGCCAAGCTCCCAAAGGCGGGGCTAAGAGGAGCTAGAGCTTGCCTCACCCGCTGTAG
CCGCCGAGAGCCCAGGATGTACTGGCGGATGGGGCCTGCCTGCACCCCGGGGAGGCGCCC
ACCCCGGACCCCCACCCCTCCGCACTGTGAAAGACTAACTCCTGCAACTGGAAAGCGGGG
GCGCCCGCCGACGAGGAGGCCACCGTGCCAAGCCGGCAGAGGTCATGCCAGGCGCCAAGG
GCCATGTGCCCAGCTGCTGCTGGCTGGGTGGGCCAGGGAGCCCGCCAGCAGACCCCACAC
AGCATGTCCGCCCCAGGGCAAAGCCTCCCACCTTCGCTCTGCGCCCGTCCCAGCTCGCCT
CAGCCCTGTTATCTCAGAACCAATAAAAATATTTCCAAGAGCAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAA

Restriction Sites: Please inquire

ACCN: NM_001033677

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_001033677.1, NP_001028849.1
RefSeq Size:	1627 bp
RefSeq ORF:	1113 bp
Locus ID:	9478
UniProt ID:	Q9NZU7
Cytogenetics:	12q24.31
Gene Summary:	Calcium binding proteins are an important component of calcium mediated cellular signal transduction. This gene encodes a protein that belongs to a subfamily of calcium binding proteins which share similarity to calmodulin. The protein encoded by this gene regulates the gating of voltage-gated calcium ion channels. This protein inhibits calcium-dependent inactivation and supports calcium-dependent facilitation of ion channels containing voltage-dependent L-type calcium channel subunit alpha-1C. This protein also regulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors, P/Q-type voltage-gated calcium channels, and transient receptor potential channel TRPC5. This gene is predominantly expressed in retina and brain. Alternative splicing results in multiple transcript variants encoding disinct isoforms. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (3) is the longest transcript and encodes the longest isoform (3).