

Product datasheet for **SC304688**

CABP5 (NM_019855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABP5 (NM_019855) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABP5
Synonyms:	CABP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304688 representing NM_019855. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCAGTTCCTCATGGGCCCCGCTGCATCTTCTTGAGGAAAGGCATTGCTGAGAAACAGCGGGAAGA
 CCACTGGGACAAGATGAGATTGAAGAGCTGCGGGAAGCATTCTTGAGTTCGATAAGGACCGAGATGGG
 TTCATCTCTTGAAGGATCTGGGAATCTCATGAGGACGATGGGTACATGCCACGGAGATGGAAGCTG
 ATTGAGCTCGGCCAGCAATCCGCATGAACCTGGGTGGCCGTGTAGACTTTGATGACTTTGTGGAGCTG
 ATGACCCCAAAATTGCTTGCAGAAACAGCTGGGATGATCGGTGTCCAGGAGATGCGGGATGCCTTCAAG
 GAGTTTGACACGAATGGAGATGGGAGATCACCTGGTGGAGCTACAGCAGGCCATGCAGAGACTCCTG
 GGGGAGCGGCTACCCCCCGGAGATCTCTGAGGTTGTCCGGGAGGCTGATGTTAATGGAGACGGCACA
 GTTGACTTTGAAGAGTTTGTGAAGATGATGTCTCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_019855
Insert Size:	522 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:	<ol style="list-style-type: none">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:	<u>NM_019855.4</u>
RefSeq Size:	1845 bp
RefSeq ORF:	522 bp
Locus ID:	56344
UniProt ID:	<u>Q9NP86</u>
Cytogenetics:	19q13.33
MW:	19.8 kDa
Gene Summary:	The product of this gene belongs to a subfamily of calcium binding proteins, which share similarity to calmodulin. Calcium binding proteins are an important component of calcium mediated cellular signal transduction. Expression of this gene is retina-specific. The mouse homolog of this protein has been shown to express in the inner nuclear layer of the retina, suggested its role in neuronal functioning. The specific function of this gene is unknown. [provided by RefSeq, Oct 2009]