

Product datasheet for **SC306234**

CABP4 (NM_145200) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABP4 (NM_145200) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABP4
Synonyms:	CRSD; CSNB2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_145200 edited <pre> GTGTGGTGTCTCTGAGCCCTGTTATCCCTCCCCATGACCACAGAGCAGGCAAGGGGCA GCAGGGCCCAAATCTGGCCATTGGCCGTCAGAAGCCCCCTGCGGGGTTGTGACTCCAA GAGTGATGCAGAGGAGCCCCGTTGACCAGGAAGAGGAGCAAGAAGGAGAGGGGGCTCCG AGGGTCTCGAAAGCGCACTGGCAGCTCTGGGGAGCAGACAGGCCCGAGGCCCGGGGAG CAGCAATAACCTCCCAGCACTGGAGAGGGGCCGGCGGGCGCACCCCTGCATCCCTGG GCCGGCTCTTCTCGCCAGTCCCACCGACATCGTCCTGACTCCCTGCACGACGCTGCTCA GAGGACATACGGGCCCTGCTCAATCGAGTCTTCGGGAAGGACCGCAACTGGGCCCCGA GGAGCTAGACGAGCTTCAGGCCGCTTCGAGGAGTTTGACACTGACCGTGACGGCTACAT CAGCCACCGGGAGCTGGGTGACTGCATGCGGACCCTGGGCTACATGCCACCGAGATGGA GCTCCTGGAGTCTCGCAGCACATCAAGATGCGCATGGGCGGCCGTGTGGACTTTGAGGA GTTTGTAGAACTGATAGGCCAAAGCTGAGGGAGGAGACGGCGCACATGCTGGGGTGCG AGAGCTGCGCATCGCCTTCCGAGAGTTTGACAGGGACAGGGATGGACGAATTACGGTGCC GGAGCTGCGGGAGGCGGTACCGGCTCTGCTCGGGGAGCCGCTGGCGGGTCTGAGCTGGA CGAGATGCTCCGAGAAGTGGACCTCAATGGGGATGGCACCGTAGACTTTGACGAGTTTGT GATGATGCTCTCCCGCCACTGAGGCTCCAGGAGGGAATATC </pre>


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145200 unedited NAGTTTTTCATTTGTATACGACTCATATAGGGCGGCCGCGATTGCGCCCTTGTGTGGTGTCTCTGAGCCCTGTTATCCCTCCCCCATGACCACAGAGCAGGCAAGGGGGCAGCAGGGCCCAAATCTGGCCATTGGCCGTGAGAAGCCCCCTGCGGGGTTGTGACTCCCAAGAGTGATGCAGAGGAGCCCCCGTTGACCAGGAAGAGGAGCAAGAAGGAGAGGGGGTCCGAGGGTCTCGAAAGCGCACTGGCAGCTCTGGGAGCAGACAGGCCCGAGGCCCGGGGAGCAGCAATAACCTCCCCAGCACTGGAGAGGGGCGCGGGCGCACCCCTGCATCCCCTGGGCCGGCCTCTTCTCGCCAGTCCCACCGACATCGTCTGACTCCCTGCACGACGCTGCTCAGAGGACATACGGGCCCCCTGCTCAATCGAGTCTTCGGGAAGGACCGCAACTGGGCCCGAGGAGCTAGACGAGCTTCAGGCCGCTTCGAGGAGTTTGACACTGACCGTGACGGCTACATCAGCCACCGGGAGCTGGGTGACTGCATGCGGACCCTGGGTACATGCCACCGAGATGGAGCTCCTGGAGGTCTCGCAGCACATCAAGATGCGCATGGGCGGCCGTGTGGACTTTGAGGAGTTTGTAGAATGATAGGCCCAAAGCTGAGGGAGGAGACGGCGCACATGCTGGGGTGCGAGAGCTGCGCATCGCCTTCGAGAGTTTGACAGGGACAGGGATGGACGAATTACNGTGGGCGAACTGCNGNAGGGCGTACCGGCTCTGCTTCGNGAGCCGCTGGCCGGTCTGANCTGGACGAGATGCTCCGAGAAAGTGACCTCAAGGGGATGGCACCGTANACTTTGACGAGTTTGTATGATGCTTTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_145200 unedited NNGGAGGAGCTCCATTGGNNGATGGCACTTNCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCCACCCGGGATCTGTTTCAGGAAAAGCTATGACCGCGGCCGAATCTAGAGTCGACAAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTGATATCCCTCCTGGAGCCTCAGTGGCGGGAGAGCATCATCACAACCTCGTCAAAGTCTACGGTGCCATCCCCATTGAGTGCCACTTCTCGAGCATCTCGTCCAGCTCAGGACCCGCCAGCGGCTCCCGAGCAGAGCCGGTACCGCCTCCCGCAGCTCCGCCACCGTAATTCGTCCATCCCTGTCCCTGTCAAACCTTCGGAAGGCGATGCGCAGCTCTCGCACCCCGAGCATGTGCGCCGTCTCCTCCCTCAGCTTGGGCCTATCAGTTCTACAACTCCTCAAAGTCCACACGCGCCGCCATGCGCATCTTGATGTGCTGCGAGACCTCCAGGAGCTCCATCTCGGTGGGCATGTAGCCAGGGTCCGATGCAGTACCCAGCTCCCGGTGGCTGATGTAGCCGTACGGTCAGTGTCAACTCCTCGAAGGCGCCTGAAGCTCGTCTAGCTCCTCGGGGCCAGTTCGCGGTCTTCCCGAAGACTCGATTGAGCAGGGGCCGTATGTCTCTGAGCAGCGTCGTGCAGGAGTACAGGACGATGTCGGTGGACTGGCGAGAAGAGGCGGCCANGGATGCANGGGGTGCGCCCGCGGCCCTCTCCAGTGCTGGGAGGTTATTGCTGCTCCCGGGCCTNCGNGCCTGTCTGCNTCCAGAGCTGCCAGTGCGCTTTCGAGACCTCGGAGCCNNCTCTTCTTGTCT
Restriction Sites:	Please inquire
ACCN:	NM_145200
Insert Size:	900 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_145200.2](#), [NP_660201.1](#)

RefSeq Size: 1466 bp

RefSeq ORF: 828 bp

Locus ID: 57010

UniProt ID: [P57796](#)

Cytogenetics: 11q13.2

Gene Summary: This gene encodes a member of the CABP family of calcium binding protein characterized by four EF-hand motifs. Mutations in this gene are associated with congenital stationary night blindness type 2B. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.