

## Product datasheet for SC307421

### Calcium binding protein 7 (CABP7) (NM\_182527) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calcium binding protein 7 (CABP7) (NM_182527) Human Untagged Clone
Tag:	Tag Free
Symbol:	CABP7
Synonyms:	CALN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307421 representing NM_182527. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGTTCCACCGGTGACGGCGCGTTGATGTACCGGGCATCTACCCGTGCCAACCTGCTGTCCG
GAGCAGCGCCCGGTGGACATCCCGAGGACGAGCTGGAGGAGATCCGAGAGGCCTCAAGGTGTTTGAC
CGTGACGGCAATGGCTTCATCTCCAAGCAGGAGCTGGGCACAGCCATGCGCTCACTGGGTTACATGCC
AACGAGGTGGAGCTGGAGGTCATCATCCAGCGGCTGGACATGGATGGTATGGTCAAGTGGACTTTGAG
GAGTTTGTGACCCTTCTGGGACCAAACCTCCACCTCAGGGATCCAGAGAAGTCCATGGCACCAGAC
TTTGATACTGTCTTCTGGAAGTGCACATGCAGAACTGACGGTGGATGAGCTGAAGCGGCTGCTCTAC
GACACCTTCTGCGAGCACCTGTCCATGAAGGACATAGAGAACATCATCATGACGGAGGAGGAGGCCAC
CTGGGCACAGCCGAGGAGTGTCCCGTGGATGTGGAGACCTGCTCCAACCAGCAGATCCGCCAGACTTGC
GTGCGCAAGAGTCTCATCTGCGCCTTCGCCATCGCCTTCATCATCAGTGTGCTCATTGCGGCCAAC
CAGGTGCTGCGCAGTGGCATGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_182527
Insert Size:	648 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_182527.2</a>
<b>RefSeq Size:</b>	3001 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	164633
<b>UniProt ID:</b>	<a href="#">Q86V35</a>
<b>Cytogenetics:</b>	22q12.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	24.5 kDa
<b>Gene Summary:</b>	Negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity.[UniProtKB/Swiss-Prot Function]