

## Product datasheet for **SC328309**

### EFCAB9 (NM\_001171183) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EFCAB9 (NM_001171183) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFCAB9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328309 representing NM_001171183. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGAGACTGAAGCAAGGATCGTTTCTGTGGTACCTCTATCTGGACAAAATATACTGCTTATTATCCGTG  
 AGAAACGTGAAGGCTTTGGCAGAATATTTTCATATTCTGGACGTGCACGGCAAGAACACCTTGAATGAT  
 GTGCTGTTCTATCACTTCCTTCATCATGTGACTGACTTGAAGGACACAGATCAACATTGTGTTGAC  
 ATGCTGGACTGGAACGCTGTGGGCGAGATCGACTTTGAGAAGTTCTACATGCTGGTGTGCATGCTGCTG  
 GCCCACCAGAACCATTGGAAGGACAGTTTATGTATCGTCATTCCCGCCTGTCTTTGACCTGCTTGAC  
 CTGAAAGGGGATCTGAGAATTGGTGCAAAAACCTCGAAATGTACAGATTCTCTTCAATATTCAAAAA  
 CAGGAACCTCAAAGATCTCTCCGTGACTTTGACATTACAGGTGACAATCGTCTTAATTATCAGGAATTT  
 AAGCTGTATACAATCATCTACACTGACAAATTACAGAAGAGGCAGAAAACAGAGGAGAAAGAAAAAGGA  
 GAGAGAAAGAGAAGTCTCTACTCAAATGTCACATCAAG**TAG**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001171183
Insert Size:	594 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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<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>	<u>NM_001171183.1</u>
<b>RefSeq Size:</b>	712 bp
<b>RefSeq ORF:</b>	594 bp
<b>Locus ID:</b>	285588
<b>UniProt ID:</b>	<u>A8MZ26</u>
<b>Cytogenetics:</b>	5q35.1
<b>MW:</b>	23.9 kDa
<b>Gene Summary:</b>	This gene encodes a protein with a C-terminal EF-hand calcium-binding domain similar to that found in penta-EF-hand (PEF) protein family members. The EF-hand is a helix-loop-helix structure with a canonical twelve-residue sequence that coordinates a calcium molecule with pentagonal bipyramidal symmetry. [provided by RefSeq, Jul 2017]