

Product datasheet for **SC107457**

EFCAB4A (CRACR2B) (BC033196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFCAB4A (CRACR2B) (BC033196) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFCAB4A
Synonyms:	EF-hand calcium binding domain 4A; FLJ46033; MGC45840; MGC88858
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC033196, the custom clone sequence may differ by one or more nucleotides

ATGGCCAGCCCTGAAAGCCTGGGGCTGATGAGGCCAGGAGGAGAGGGGAACTCGAGGGGGCTCTG
CAGGGCCGCGGGCTGCAATACTGGAGCAGGCTGAGGAGCTGTTTCTGCTGTGTGACAAGGAGGCTAAGGG
CTTCATCACCAAGCACGACCTGCAGGGTCTCCAGAGCGACCTGCCCTCACGCCAGAGCAGCTGGAGGCT
GTGTTTGAAGTCTGGACCAGGCTCACACTGGCTTCTCACCGCCAGGGAGTTCTGCCTGGGCTGGGGA
TGTTTGTGGGGTGGCGTCAGCCAGGGAGCGAACCCCTGCAGGACTCCGAGGAGACCTTTGAGTCGGG
CGGGCTCGACGTGCAGGGCACGGCGGGCTCTTGATGAGGAGGAGGAAGAGGAGGAGCGATTCCACACT
GTGCTGGAGCAGCTGGGGTGGCCCGGTCTGGGCGAGCAGCGGCTGTGAGGACGCTCTGGGCCAGGC
TGACGCGCAGCGCCCCGAGCTGCTGGGCTCTTTCGAGGATGTTCTGATACGCGCGTCGGCCTGCCTGGA
GGAGGCGGCGCGGAGCGCGACGGCCTGGAGCAGGCGCTGCGGAGGCGCGAGAGCGAGCAGAGAGGGAG
GTGCGCGCTCTGTACGAGGAGACGGAGCAGCTTCGGGAGCAGAGCCGGCGCCCGCGAGTCAGAATTCTG
CCCGCGGGGAGCGGAGAAGCCGTCTGGAGCTGGAGCTGCAGATCCGCGAGCAGGACCTGGAACGCGCGGG
CCTGCGGCAGCGGGAGAGACGTGGTCGCCGTCTCCAGGAACATGCAGAAAGAGAAAGTCAGCCTGCTACG
GCAACTGGAGCTGCTCAGGGAGCTGAATACACGGCTGCGGGATGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for BC033196 unedited
 NGGGGTCAGAAATTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCCTGC
 AGCATTTTCCACCCCAGCCCCCTGGTCCCACCTTGCCTTCCGCCACCTTCCCACCTGC
 TGCAGGGAGGGCCCTCGGCTGAGCCTTCAGACACACTGCACCCCATCCGCTCCCTCCT
 GAATTTCTTGTGACCTCCCTTGGCTTACAGCACCTGAAGGCCAGGCTGAGGCCCCCTG
 CTCTCATGGCCAGCCCTGAAAGCCTGGGGCTGATGAGGCCAGGAGGAGGGGAAC
 TCGAGGGGGCTCTGCAGGGCCGCGGGCTGCAATACTGGAGCAGGCTGAGGAGCTGTTTC
 TGCTGTGTGACAAGGAGGCTAAGGGCTTCATCACCAGCACGACCTGCAGGGTCTCCAGA
 GCGACCTGCCCTCACGCCAGAGCAGCTGGAGGCTGTGTTTAAAAGTCTGGACCGGGCTC
 AACTGGCTTCTCACGCCAGGGAGTTCTGCCTGGGCCTGGGGATGTTTGTGGGGGTGG
 CGTCAGCCAGGGAGCGAACCCCTGCAGGACTCCCAGGAGACCTTTGAGTCGGGCGGGC
 TCGACGTGCAGGGCACGGCGGGCTCTCTGGATGAAGAGGAGGAAGAGGANGAGCGATTCC
 AACTGTGCTGGAGCAGCTGGGGTGGCCCCGGTCTNGGCAGCAGCGGGCTGTGAGGAC
 GCTCNTGGCCAGGCTGCAGCGCAGCGCCCCGAGCTGCTGGGCTCTNTCCNAGGATGTTT
 TGATCCGCGCGTCGGCTGCCTGNGAGAAGCNGCCGGGAGCGCGACGCTGNAACANGC
 GCTGCGGAGGCGCGAGAACGACACANAAGAGGAGTGCGCGCTCTGTACGAAGAGACCGAG
 CAGCTTCGGGAGCAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for BC033196 unedited
 GTACAGCTATGNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGT
 TTGAACCCAGGGGTTTT
 ATTTGACCAAGGGGTTTTTGTCTAACTGAAAAGGGGTTTATTGAACCGGGACAAAACCA
 AAAATGGGAAAAGGGACACACCGGACCCTGGGCACTCCCGGACCTGACCACTCCTAAG
 GTAAGGCCTTTATGTTTTAATCAAGCGAACCTGGGGCCACTGGGAAAACCCGCATCC
 TGAATGGGCACCCCCAACCATGAAAAACCTCCTGGAAAGGGAATTTTAACTCAAGGGC
 CCGGAATCACTCCGGGTGGTCACCCGGCACTGGGAAAGGGGCCAAAACCCCTTTGGGG
 GGCCCAACCAACAACAACAACAACAGGTGGGCCAAGCAAGCGGGCTTTTTTAA
 ACCTTTCTGGAATTTGTGGCCCCCCCCCTGGGCTCTCAAGGGTCTGTTATTTCCCAAC
 CCTGTATTTAACTCCCTGAACAACCTCCATTTCCCTAACAAAGTGACTTTTTCTTTTGG
 ATGTTCCCGGAGACCGGGAACACCTCTCGTTGGGGTGGTCTGGGGGGCTGTGCTTTT
 CTTTCAACCTGGGATTTTGTCTGGGCCCTTCAAATTGTTTGCAACGCCTTGTGC
 GCCCGCCAAACTTGAATTCTGGGCTGTGCCTTCCAGTGCTTCCCAACCTTGGCGTGCA
 ACTGCTGGTCTTAATTCGTGCTCCAAGCCCCCGGTTTTCAAGTCTGTTGCGGTTTT
 GAAATTACTTCAGAAGTTTTTCCGCTCCCCCGGGCAAAAATTTAATTTGCGGGGGC
 CCGTTTTGGTCTCCAAATGTC

Restriction Sites:

NotI-NotI

ACCN:

BC033196

Insert Size:

1750 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).

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:	<u>BC033196.1</u> , <u>AAH33196.1</u>
RefSeq Size:	1456 bp
RefSeq ORF:	885 bp
Locus ID:	283229
Cytogenetics:	11p15.5
Gene Summary:	Plays a role in store-operated Ca(2+) entry (SOCE).[UniProtKB/Swiss-Prot Function]