

Product datasheet for **SC108328**

EFCAB4A (CRACR2B) (NM_173584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFCAB4A (CRACR2B) (NM_173584) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFCAB4A
Synonyms:	EFCAB4A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173584, the custom clone sequence may differ by one or more nucleotides

ATGGCCAGCCCTGAAAGCCTGGGGCTGATGAGGCCAGGAGGAGGGGGAACTCGAGGGGGCTCTG
 CAGGGCCGCGGGCTGCAATACTGGAGCAGGCTGAGGAGCTGTTTCTGCTGTGTGACAAGGAGGCTAAGGG
 CTTTCATCACCAAGCACGACCTGCAGGGTCTCCAGAGCGACCTGCCCTCACGCCAGAGCAGCTGGAGGCT
 GTGTTTGAAGTCTGGACCGGGCTCACACTGGCTTCTCACCGCCAGGGAGTTCTGCCTGGGCTGGGGA
 TGTTTGTGGGGTGGCGTCAGCCAGGGAGCGAACCCCTGCAGGACTCCCGAGGAGACCTTTGAGTCGGG
 CGGGCTCGACGTGCAGGGCACGGCGGGCTCTCTGGATGAGGAGGAGGAAGAGGAGGAGCGATTCCACACT
 GTGCTGGAGCAGCTGGGGTGGCCCGGTCTGGCAAGCAGCGGGCTGTGAGGACGCTCTGGGCCAGGC
 TGCAGCGCGAGCGCCCCGAGCTGCTGGGCTCTTTCGAGGATGTTCTGATACGCGCGTCGGCCTGCCTGGA
 GGAGGCGGCGCGGAGCGCGACGGCCTGGAGCAGGCGCTGCGGAGGCGCGAGAGCGAGCAGAGAGGGAG
 GTGCGCGCTCTGTACGAGGAGACGGAGCAGCTTCGGGAGCAGAGCCGGCGCCCGCGAGTCAGAATTTCG
 CCCGCGGGGAGCGGAGAAGCCGTCTGGAGCTGGAGCTGCAGAGCCGCGAGCAGGACCTGGAACGCGCGGG
 CCTGCGGCAGCGGGAGAGACGTGGTCGCCGTCTCCAGGAACATGCAGAAAGAGAAAGTCAGCCTGCTACG
 GCAACTGGAGCTGCTCAGGGAGCTGAATACACGGCTGCGGGATGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173584 unedited <pre> GTTCGGAATTGTATACGATCATATAGGCGGCCGCGNAATCGGCACCAGCTCCATGCCCCG AGGGATGTTTGTGGGGTGGCGTCAGCCAGGGAGCGAAGCCCTGCAGGACTCCCGAGGA GACCTTTGAGTCGGGCGGGCTCGACGTGCAGGGCACGGCGGGCTCTCTGGCATGAGGAGG AGGAAGAGGAGGAGCGATTCCACACTGTGCTGGAGCAGCTGGGGTGGCCCCGGTCTTG GCGAGCAGCGGGCTGTGAGGACGCTCTGGGCCAGGCTGCAGCGCAGCGCCCCGAGCTGC TGGGCTCTTTCGAGGATGTTCTGATACGCGCGTCGGCCTGCCTGGAGGAGCGGCCCGGG AGCGCGACGGCCTGGAGCAGGCGCTGCGGAGGCGGAGAGCGAGCACGAGAGGGAGGTGC GCGCTCTGTACGAGGAGACGGAGCAGCTTCGGGAGCAGAGCCGGCGCCCGCCGAGTCAGA ACTTCGCCCGCGGGGAGCGGAGAAGCCGTCTGGAGCTGGAGCTGCAGATCCGCGAGCAGG ACCTGGAACGCGCGGGCCTGCGGCAGCGGGAGTTAGAGCAGCAGCTGCACGCCAGGCTG CGGAGCACCTGGAGGCACAGGCCAGCACTCCAGCTGTGGCGGGCGCACGAGGCGCTGC GAACGCAGCTGTAGGGGGCGCAGGAGCACATCCGCTAGCTGGAGAGCGAAGCACGAGGCC GTCAGGAGCACACCCTACGGTGCCTTGGGACGGGGCATGGCGGGCCCCGGTGCCTGATCC GGGGGCTGGGGCCACCGGCGCTCACGTCTGGGGCCCCCTTCTTCCCCATTACAGTCCCA GGCCCGCCGTGGGAAGGAGGATCTTCTAGGGGTCCGGGGGCTCCCGAGGAGCCTTCTGC AGCTGGGTACCACTCCCATCACCAACGTGTTCCGCTCCAGAACATGCCNCAGGAGAA GA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_173584
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>NM_173584.2</u> , <u>NP_775855.2</u>
RefSeq Size:	1772 bp
RefSeq ORF:	885 bp
Locus ID:	283229
UniProt ID:	<u>Q8N4Y2</u>
Cytogenetics:	11p15.5

Gene Summary:

Plays a role in store-operated $\text{Ca}(2+)$ entry (SOCE).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate exon, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.