

Product datasheet for **SC123191**

EFHB (NM_144715) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFHB (NM_144715) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFHB
Synonyms:	CFAP21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_144715 edited
 TAAGAGGCAGGCAGGAAGCAATGGACAGGGAGTCCGAGTGAGGTTGTGCTCTTTCTGAG
 AGAGGGGTTCCGCAAGGGATTGGAGGCGTCTTGTAGCCAGGTACAGCTTTCCCCTTAGA
 GATGAGCGCTCTTGAGAAATGAGAATGGGGAGAAATCGTCCATGAACATGGAGATTGGA
 CATCCCCACGAAGGAAAGGATGATTTAGGAGACAAGAGGGTCATCATGGGAACAAATTT
 CCCATGGAGTTGGGGATCAGAGTAGGATTAGGAAAAGAAGATCCCGATGCGGGGAGAGC
 CCTGTGGTTAGTAATAAGTGTGAGGGAAGGATGGCACCACCAGAAACAAATTTCCATTG
 AGCAAGGGGCTTGAAATGGGATTAGAAAGACAGAATATTTCTAGGACTGTCATGCAGAGG
 GGTAGTTTAGGAGTCGACAGTGTCTCAGCTTCACAGGGAACAAAACCTTCTCTGTGCCA
 GGAAGAATGGGGTTAGAAATGAGAGTCTTCTGCAGGATATACCCATGAACGGATAATA
 CAGCCTCCTTTGGGCAGGGTGTGTGGAAGTTCACAGGCTGCAGGGAGCAGGAGAGCTCT
 TTGGCTAGTGGCCCTGAAGGGTAGAGGAATTAGTGGGAAAGCCTGCTTTCGTTATGGAA
 CCAAGACAGGAAATGAAAAAGAGTCTACCTGTGTTTTAATGAAACCAACACAGAGATT
 AAGCTTCTGTGGAGGTGGACATTGGACTAACCCAAGCCGAGGGGCCAGATGAGACTAAG
 AATACAGAGCCCCAAATGGGCTTGGTGATAGAACCTCCCCAATGCCAGTTTGCCCAACAA
 CATGAACAGAGAAAGGAGGCTGGAACATTGAATCAGGAGTGGAACCTCCAGATCGCATC
 AGACCCATATACTCTGGGAAGTTTTTGTATCGGACCCCTTGCTGGCCAAGTGCAGAAAA
 GTTATTCAGTTGGTTACAGAGTTGCAACCTGCTTGACTGAAAACTTCCCAGGCTAATT
 ACTCCACCTGAAGCAAAAAAGTATTTCACTTCAGATATCCACCTGCTGGAGTAGAAAGA
 GTATTTTACGGAAGAGCAAAATGATCCCCAGATTGCACCTATTTGACACATGGAATTAGA
 TCTAAAATTTGATACTGGCAACACATTGATAAACCACAGCCTATTACCACATTTCAA
 CAGAAAAATTAAGATAAAAAAGAATCTATATCTTAGCAATCGACGAGCACCATTAGGA
 AAATCTCAGCATCAAGCACCAGGATTACCAAAAGGCATGGACACAATCAATACGACATTT
 GGGACAGCAGTCATCAAAGAATACTCTGCTAAAGATGTGGTGAATCCACCAAAATCCTAT
 GAAGAAGTATTTAAAGAAGGAAATGAAGGACATGATTTGTATGTTGTTTCTCACAATGAT
 TATTATGCAGGAGAGGCAAAAGAACCGAAAGTATAACCCATCAAGTTTCCATAGGTGATG
 GTGATGGAGTACCAACACCACATTTTAAATGATGGACGAGCCATGGCAAAATCTCTATAT
 TGGCTCCATGAATACAAATGAAAAGAGGAGCTAAGTTTGTATCCAAAAGAGCAGATGAT
 TTCAAAGAAAAGTTTCAACATAAACTTGAAGAGTTTTAGATCCCATTGCAGAAACAATG
 AATGTTCCCCCAGACTGCACATTTGGAGCTTGTCTCCGCTCCTGAGGAATATGGAGTTGGT
 GATCTCATCCATAATAGACTTCCGGATGAATATCTTCGAGGCAAGGATAGACAGCGAGCC
 CTGATTGCAGCAGTTCGGCATCACCTGAAGAAAGTTAATTACCAAAAGTTTGACACTTTG
 CTGGCAGCCTTCAGGCACTATGACAAGAAGGGAGATGGGATGATAGATAAAGACGAGCTG
 CAGGAAGCTTGTGACCAGGCCAATTGAGTTTAGATGACAAGCTCCTGGACCAGCTATTT
 GACTACTGTGATGTGGATAATGATGGCTTCATTAACATCTGGAATTCGCAAAATTTCTT
 AACTGGAAGACAAAAATGCTTCTTAAAGAGTATGAAGAGAGGGTCATTATTAAAGGTAGA
 AAACCAGATTGTGTAAACCTACTGAGGCTAATGTTGAAGAACCTGAACAACTCTCCTC
 ATAAAGCCAGAAGATATTGTCTTAAAGAAGCAGGAAGCACAGAAAAGACTCTCCGGACA
 CTTCTGAGACCAAGTGATAAAGTTTCCAATACTATAAGACAACCTCTTCTGAGATCAAT
 GCAATTGTAGGAGCCATTCTTCTACTTTACCCCATTTGTGGTGTCCAACCATTCGA
 TCTGACATTCCTGCTCCCGAATTCGTCGCATCAGTGACAGAACTAATTATGGTGAAGAA
 GGATGTGCATATTCATACTATATCCTACCATTTTGGCCGAAAGGAGTGTGTAAGAA
 GACTTCTTCAAGACCAGATCAAAAGAAGAGATTGCAGAGATATTGTGAACATTGGTGTC
 AAAGTGTCTGATGAAGAATTTGAAAATGTATGGAATCTTGATCAAAAAAGCATCACAGA
 GGAGAAGTTTGTGTTGAGAACATCAGAAATGTTCTAGATGAGCTACGGCATGCAGACCGG
 ATCAAGTGTAACAACTCATGTGATATTTTGGACTTCATTCAATCAAGCAAAAGAATTA
 TTAAGTCTGTGTTTATCTAAAATGTTGAATCCATTCTGGTTTTAGATATTATGTTAGAGT
 TCACAGTGGTAAGACTCATATGCCTGTATGTGTTGCTAATAAATTAGATTTTGGATTTTA
 AA
 AAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144715 unedited <pre> GGTTCGGATTTTGTAAACGACTTCACTATAGGGCGGCCGCGATTCAATCTGGTACCGG TCCGGAATCCCGGGATTAAGAGGCAGGCAGGAAGCAATGGACAGGGAGTCCGAGTGAGG TTGTGCTCTTTCTGAGAGAGGGGTTCCGCAAGGGATTGGAGGCGTCCTTGAGCCAGGT ACAGCTTTCCCTTAGAGATGAGCGCTCTTGAGAAATGAGAATGGGGAGAAATCGTCCA TGAACATGGAGATTGGACATCCCAAGGAAAGGATGATTTAGGAGACAAGAGGGTCA TCATGGGAACAAAATTTCCCATGGAGTTGGGGATCAGAGTAGGATTAGGAAAAGAAGATT CCCGATCGGGGAGAGCCCTGTGGTTAGTAATAAGTGTGAGGGAAGGATGGCACCACCAG AAACAAAATTTCCATTGAGCAAGGGGCTTGAAATGGGATTAGAAAAGACAGAATATTTCTA GGACTGTCATGCAGAGGGGTAGTTTAGGAGTCGACAGTGTCTCAGCTTCACAGGGAACAA AACCTTCTCTGTTGCCAGGAAGAATGGGGTTAGAAAATGAGAGTCTTCTGCAGGATATA CCCATGAACGGATAATACAGCCTCCTTTGNGCAGGGTGTGTGAAAGTCACAGGCTGCAG GGAGCANGAGAGCTCCTTTGGCTAGTGGCCCTGAAGGGGTAGAGGAATTAGTGNGAAAGC CTGCTTTGTTATGGAACCAAGACAGGAAATGGAAAAAGAGTCTACCTGTGTTTTAATGA AACCCACACAGAGATTAAGCTTCTGTTGGAGTGGACATTGAACCTAACCAAGCCGAGGG CCCGATGAGACTAAAATACAGAGCCCAATGGGCTTGGTGATAGAACCTCCCAATGCCG TTTGCCCAACACATGGACAGAGC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_144715
Insert Size:	2899 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:	NM_144715.2 , NP_653316.2
RefSeq Size:	2899 bp
RefSeq ORF:	2010 bp
Locus ID:	151651
UniProt ID:	Q8N7U6
Cytogenetics:	3p24.3

Gene Summary:

Cytosolic sensor for calcium, modulates the interaction of STIM1 and ORAI1 upon store depletion, the activation of store-operated Ca^{2+} entry (SOCE) and NFAT translocation from cytosol to nucleus.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).