

Product datasheet for **MC222072**

Efhb (NM_172497) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efhb (NM_172497) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efhb
Synonyms:	4921525D22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222072 representing NM_172497
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTTCTGTTGTGAGAGTGGGGTCCCCAAACCTTTGCAAACCTCAGCTTCTCCGTTAGAGATGAGTT
 CCTGAGAAGGACGAGAGCACCTGAAATCTCGAACTTGGACTCACCCAGAGCAAAAGGACGATATAAG
 AGACAGGGTACTTAGGGGTCAAATCTCCACGGAGCTGGGGTTTACTTGAGACTAGAACAAAGATCGA
 AAATGGAGAGAGAGGATGGGATCATCAGAAGCAAAATCGCCACCTTGCCATGCTCTTGGAGTAGGATTAG
 AAAGACATACTATTTCTGGGACCCACAGAGATGGGTAAATTTAGGACTTCACAAAGGCTCTGCCTTCCA
 GGGATCAAACCTCTGGGTGTGTACCAGGAAGAGTGGGGCCAGAAAACAAGGGCCTTCCGCCTCGCCTT
 CGCTACGGAGGGACACTACCCCTCTTTCAGCACAGTACATGCAAGTCCGCTGGCGGCAGAGAGCAGAA
 GGAGGCCTTTAGCTGGGGTTCTGCTTGGACGGATGCTGTAGTGGAAAAGCAACCTGTTGTAGGTTTGA
 ACTGAGAAAAGAACCGGAAAAAGAACCCACCTGTGTCGTGATGAACCCCTACCCAGAGATGCCCCCTAAG
 GAGGTAGACATCGGGTTGCCACAAACTCAGGAATCAGATGAAGCCAAGAATACAGAGCCTCTAATAGGTT
 TAGTAAGAGAACCTTCTGAATGTCCATTTGCCCAACAACCGGAAGAGAAAAAGGAGCCCGGCAGCACCGA
 ACCCGGAGTGGAGCCTCCAGGGAACATCAGGCCATATACTCAGGGAAGTTCTTTGATCGGGTGCCTTGC
 TGGCCAAGTGCAGGAAAAGTTAAGCCAGTTGGATACAGAGTTGCAACCTGTTTACTGAGAAGCTTCCCA
 GGCTAATGACTCCCCAGAGGCAAGAAGTATTTCAACTTCAGATATCCACCTGCTGGAGCAGAAAAGAGT
 ATTTATGGCAGAGCAAATGACCCCAATTGCACCTTATTTGACACATGGACTAAGATCTAAAATCTCA
 ATACCGATGGGATCATTGATAAACCACAGCCCATTACCACGTTTCAACAGAAAAATTAAGACAAAAAAG
 AATCTATATATTTTAGCCATCAACGAGCACCATTGGGAAAAATCTCATGATCAAACACCAGGATTGCCAAA
 AGGAATGGATGTGATCAACACAACATTAGGGACACCGACTATCAGAGAAGTGTCTGTTCTGTGACACTGTG
 AATCCATCGAAATCCTTCGAAGATGTGCTTAAAGAAGGACAGGAAGGACATGATTTGTACTGTCTCTC
 ACAATGATTATTTTGCAGGAGAAGCAAAGAATCGAAAATATAACCCGGCAAGCTTCCATAGGTTTAACTT
 GTATGGAATCCCAACACCTCACTTTAATGATGGGCGCACCATGGCTAAAGCTTTACATTGGCTCCATGAA
 CTACAAATGGAAGAGGAGCGGAAAATTGTATCCAAAAGAGTTGATGACTCAAAGAGAAATTTCAACACA
 AACTTGGAAAAGTTTAGACCCATTGCAGAACTATGAATGTTCCCCAGGTACACATTTGGAAGTTG
 CCTCCATCCTGAGGAATATGGAGCTGGCGATCTCATCCATTATAGAAGCCAGATGAATATCTTCGTGGG
 AAGGACCACCAGAGAGCCGTGGTTGCAGCTGCTGCCACCACTTGAAGAAATTTAATCACCAGAAGTTTGA
 ACCTTTGAGAGTGGCTTTCAGGCACTATGACAAGAAGGAGATGGGGTATTGACAGAGCAGAAGTTCA
 TGAAGCTTGTGTCCAAGCAACCTGCATCTAGACAAGATGCTCCTGGACCATCTGTTTACTACTGTGAC
 GTGGACCAGGATGGCTTATCAACTACCTGGAATTTGCCAATTTCTTAACTGGAAAAGACAGAATACCTC
 TCAAAGAGCATGAGAAGAGGGTCTGTTGTTAAAGGTAAAAAACCAGACTGTGAAAACGTTACTGATACTAG
 CATGGGAGAAGCTGAACCAAGTCTCTGATAAATCCTGAAGACATTGTCCCAAGAACCAGGAAGTTCA
 GAAGAGACTCTCCGACAATCCAGAGACCAGGTGACAAAGTTTCTCACCAGTATAAGACAACGCTTCTGTG
 AGATCAACGCTGTGGTTGGAGCTGTCCCCTCCATGTGTACCCCATATTCGGTGTCCAACCATTCGATC
 TGACATCTGTCTCCCGGATTCGTGAGTCAGTGCATGAATAACTACGGTGACGAAGGCAATGCTTAC
 TCTCTGCTGCACCCCTCCATCTTCTCCAGAAAGGTGATTTGAGAGAGACTTCTTCAAGACAAGGTCAA
 AGGAAGAGATTTAGATATATTAACATAACATTGGAGTCAAGCTTTCTAAGGAAGAATTCGAAAATGTGTG
 GAATCTTGCTTCAAAAAAACACCAGCGAGGAGAAGTTTGTGTTGAAACTATCAGGAACGTTCTAGATGAG
 CTACTGCATGCAGACCTCGTCAAGTGTAAAACGGCCAT**GTGA**

ACGCGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172497
Insert Size: 2562 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:	<ol style="list-style-type: none">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_172497.3 , NP_766085.2
RefSeq Size:	2661 bp
RefSeq ORF:	2562 bp
Locus ID:	211482
UniProt ID:	Q8CDU5
Cytogenetics:	17 C
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]