

Product datasheet for **SC128087**

EFHD2 (NM_024329) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | EFHD2 (NM_024329) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | EFHD2 |
| Synonyms: | SWS1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_024329, the custom clone sequence may differ by one or more nucleotides |

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ATGGCCACGGACGAGCTGGCCACCAAGCTGAGCCGGCGGCTGCAGATGGAGGGCGAGGGCGGCGGAGAG  
CCCCGGAGCAGCCCGGGCTGAACGGGGCAGCGGCGGCGGCGGGGGCACCCGACGAGGCGGCGGAGGC  
GCTGGGCAGCGCGGACTGCGAGCTGAGCGCCAAGCTGCTGCGGCGCGCAGACCTCAACCAGGGCATCGGC  
GAGCCCCAGTCGCCAGCCGCGCGTCTTCAACCCCTACACCGAGTTCAAGGAGTTCTCCAGGAAGCAGA  
TCAAGGACATGGAGAAGATGTTCAAGCAGTATGATGCCGGGCGGGACGGCTTCATCGACCTGATGGAGCT  
AAAACATGATGGAGAACTTGGGGCCCTCAGACCCACCTGGGCTGAAAAACATGATCAAGGAGGTG  
GATGAGGACTTTGACAGCAAGCTGAGCTTCCGGGAGTTCCTCCTGATCTTCGCAAGGCGGCGGCGGGG  
AGCTTCAGGAGGACAGCGGGCTGTGCGTGTGGCCCGCCTCTCTGAGATCGACGTCTCCAGTGAGGGTGT  
CAAGGGGGCCAAGAGCTTCTTTGAGGCCAAGGTCCAGGCCATCAACGTGTCCAGCCGCTTCGAGGAGGAG  
ATCAAGGCAGAGCAGGAGGAAAGGAAGCAGGCGGAGGAGATGAAGCAGCGGAAAGCGGCCTTCAAGG  
AGCTGCAGTCCACCTTTAAGTAG
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[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024329 unedited
 CGCGCCCGGCCCATCCCCACCCTTCCCCCGCGGTGTTTGTATTGTAACACGATTACTA
 TAGGCGGCGCGCAATTCGCACGAGGGCCGGCGGCGCTGCGCTGAGNACAGGGGCCCGGC
 CAAGGCGAGTGCCGCGCGGGCCACCATGGCCACGGACGAGCTGGCCACCAAGCTGAGCCG
 GCGGCTGCAGATGGAGGGCGAGGGCGGCGGAGACCCCGGAGCAGCCCGGGCTGAACGG
 GGCAGCGGCGGCGGCGGGGGCACCCGACGAGGCGGCGGAGGCGCTGGGCAGCGCGGA
 CTGCGAGCTGAGCGCAAGCTGCTGCGGCGCGCAGACCTCAACCAGGGCATCGGCAGCC
 CCAGTCGCCCAGCCCGCGTCTTCAACCCTACACCGAGTTCAAGGAGTTCTCCAGGAA
 GCAGATCAAGGACATGGAGAAGATGTTCAAGCAGTATGATGCCGGGCGGACGGCTTCAT
 CGACCTGATGGAGCTAAACTCATGATGGAGAACTTGGGGCCCTCAGACCCACCTGGG
 CCTGAAAAACATGATCAAGGAGGTGGATGAGGACTTTGACAGCAAGCTGAGCTTCCGGGA
 GTTCTCTGATCTTCCGCAAGGCGGCGGCGGGAGCTTCAGGAGGACAGCGGGCTGTG
 CGTGCTGGCCCGCTCTGAGATCGACGTCTCCAGTGAGGGTGTCAAGGGGGCCAAGAG
 CTTCTTTGAGGCCAAGGTCCAGGCCATCAACGTGTCCAGCCGCTTCGAGGAGGAGATCAG
 GCAACAGCAGGAGAAAAGGAAGAACCAGGCGGAGGAGATGAAGCACCGAAAGCGGCCCT
 CAGGAAGCTGCAGTCCACCCTTTAAGTACCGGGGCTGCANCCGACCGCCCTGTCTCCGG
 CCCAATGTGTTGGGCCAGGCTGGCCACTGGAGCCCGAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024329 unedited
 GGGCTCTGTGTACGCGGCCATTCTANATCGAGTTTTTTTTTTTTTTTTTTGATATTTT
 TAGGTTTTTAGTAGTGGTCCCGTCAGAAACAGGCAAGGATTCAGGCTCGGCCTCCCATGC
 GCCACCCTCGCCACCACACTGGGGCCGGAGCAGGGCGGTGGCTGCAGCCCCGCTACT
 TAAAGGTGGACTGCAGCTCCTTGAAGGCGCTTTCGGCTGCTTATCTCCTCCGCTGCT
 TCTCCTTTCTCCTGCTGCTGCCTTGATCTCCTCCTCGAAGCGGCTGGACACGTTGATGG
 CCTGGACCTTGGCCTCAAAGAAGCTCTTGGCCCCCTTGACACCCTCACTGGAGACGTCGA
 TCTCAGAGAGGGGGCCAGCACGCACAGCCCGTGTCTCCTGAAAGTCCCCGGCCCGCG
 CCTTGCGGAAGATCAGGAGGAACTCCCGGAAGCTCAGCTTGCTGTCAAAGTCTCATCCA
 CCTCCTTGATCATGTTTTTTCAGGCCAGGTGGGTCTGAGGGGGCCCAAGTTTCTCCATCA
 TGAGTTTTAGCTCCATCAGGTCGATGAAGCCGTCCCGCCGGCATCATACTGCTTGAACA
 TCTTCTCCATGTCCTTGATCTGCTTCTTGAGAACTCCTTGAAGTCCGTTGAGGCTGCGCGCCGCA
 AGACGCGGCGGCTGGGCGACTGGNGCTCGCCGATGCCCTGGTTGAGGCTGCGCGCCGCA
 GCAGCTTGGCGCTCAGCTCGCAGTCCGCGCTGCCAGCGCTCGGCCGCTCGTCCGGGTG
 CCCCCGCGCGCGCGCTGCCCGTTAGCCCGGGCTGCTTCCGGGTCTTGGCGCCGCG
 CCTTGGCCTTCATATGAAGCCGCGGCTCAGCTTGGTGGCCAGCTCGTCCGTGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_024329

Insert Size:

1020 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_024329.4](#), [NP_077305.2](#)

RefSeq Size: 2387 bp

RefSeq ORF: 723 bp

Locus ID: 79180

UniProt ID: [Q96C19](#)

Cytogenetics: 1p36.21

Domains: EFh

Gene Summary: May regulate B-cell receptor (BCR)-induced immature and primary B-cell apoptosis. Plays a role as negative regulator of the canonical NF-kappa-B-activating branch. Controls spontaneous apoptosis through the regulation of BCL2L1 abundance.[UniProtKB/Swiss-Prot Function]