

## Product datasheet for **SC106352**

### Cullin 4B (CUL4B) (AF212995) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cullin 4B (CUL4B) (AF212995) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cullin 4B
Synonyms:	CUL-4B; MRXHF2; MRXS15; MRXSC; SFM2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AF212995, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGAGGAATCCTCCTCCTCCTCCTCATCTTACCAACTGCTGCAACATCTCAGCAGCAGCAAC
TTAAAAATAAGAGTATATTAATCTCTTCTGTGGCTTCGGTGCATCATGCAAAACGGCTAGCCAAATCTTC
TACCACCGTCTCTAGCTTTGCTAACAGCAAACCTGGCTCTGCTAAGAACTTAGTGATCAAGAACTTTAAA
GATAAGCCTAAATTACCAGAAAACCTACACAGATGAAACCTGGCAAAAACCTGAAAGAAGCAGTGGAAGCTA
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CAAGATTTCTGCAAACTTGACAAAACAGCTGAGACAGATCTGCGAAGATCACATGAAAGCACAGATTTCAT
CAATTCAGAGAGGATTTCATTGGATAGCGTTCTTTTTTAAAGAAGATTGATAGATGCTGGCAAAACCATT
GCAGACAAATGATCATGATCAGGAGCATTTTTTGTCTGGATAGAAGTTACGTTCTTCAGAATTCAT
GCTACCCTCCATTTGGGACATGGGACTGGAGTTATTTAGGGCTCATATTATAAGTGATCAGAAAGTGCAG
AATAAGACAATTGATGGCATTCTTCTTTGATTGAGAGGGAAAGGAATGGTGAAGCAATTGATAGAAGTT
TACTTCGAAGCCTTTTAAGCATGCTGTCTGATTTGCAAAATTTATCAAGATTCTTTGAACAACGATTTTT
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CTACATCATGTTAACAAACGCTTAGAAGAAGAAGCAGACAGACTTATTACTTACTTAGATCAGACCACC
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AAGCTACAGATGAAGAAGCTTGAGAAAATGTTGGATAAAAATTTATGATCATATTTAGATTTTCTATGGCAA
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GATGCTGAAAAATCAATGCTGTCCAACTTAAACATGAATGCGGAGCTGCTTTCACCAGCAAACTTGAAG
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TCAGAATGTTCCGGGAAATATTGAGTTAACTGTGAATATCCTGACAATGGGCTATTGGCCGACATATGTG
CCTATGGAAGTTCATTTACCACCAGAGATGGTAAAACCTCAGGAGATTTTCAAGACATTTTACCTAGGCA
AACATAGTGGCAGGAACTTCAGTGGCAGTCAACCCTAGGACACTGTGTGTTAAAAGCAGAAATTTAAGA
GGGTA AAAAGGAACTCCAGGTCTCTTTTTCAAACACTGGTGTCTAATGTTTAAATGAGGGAGAGGAG
TTCAGTTTAGAAGAGATCAAGCAGGCAACTGGAATAGAGGATGGAGAGTTAAGGAGAAGCACTGCAGTCAT
TAGCCTGTGGCAAGCTAGAGTTCTGGCGAAAAATCCAAAGGGCAAGACATTGAAGATGGTGACAAGTT
CATTTGTAATGATGATTTCAAACATAAACTTTTCAGGATAAAGATCAATCAAATCCAGATGAAAAGAAACG
GTTGAAGAACAAGCAAGCACTACAGAAAGAGTATTTCAAGACAGACAGTATCAAATGATGCTGCAATTG
TTCGAATTATGAAGATGAGAAAGACACTTAGCCACAATCTCCTTGTTTCAGAAGTGTACAACCAGTTGAA
ATTTCCAGTAAAGCCTGCTGATCTTAAGAAGAGAATAGAATCTTTAATTGACCGGACTACATGGAAGA
GATAAAGAAAATCCAAACCAGTACAACCTATATTGCATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AF212995 unedited</p> <pre> AGTATTTTGTAACTTACTCACTATAGGGCGGCCGGAATTCGCACGATAAGCCCGCCC CCTCCTCTATCCACTTTTCTCCCCCAATTTCTCCCTCCCCCTTCCCCCCCCACTCA AGTCCTGCGGACCTGGGGGCTTCGGGATCTGGGCGCTATGAAAAGTGTCTGCCAGTAC TTCCGGTTTTTCTCCCCAGTCCCTCAGCTGCTGCTGCTGCTCAGGAGGTCAGATCTGC CACTGATGGTAATACCAGCACCCTCCGCCACCTCTGCCAAGAAGAGAAAAGTTAAACAG CAGCAGCAGTAGCAGCAGTAACAGTAGTAACGAGAGAGAAGACTTTGATTCCACCTCTTC CTCCTCTTCCACTCCTCCTTTACAACCCAGGGATTGCGCATCCCCTTCAACCTCGTCCTT CTGCCTGGGGTTTCAGTGGCTGCTTCCAGCCACGTACCGATACAGAAGAAGCTGCGTTC TGAAGACACCCTGNAGTTTGTAGGGTTTGATGCGAAGATGGCTGAGGAATCCTCCTCCTC CTCCTCCTCATCTTACCAACTGCTGCAACATCTCAGCAGCAGCAACTTAAAAAAGAG TATATTAATCTCTTCTGTGGCTTCGNGCATCATGCAAACGGCCTAGCCAAATCTTCTAC CACCGTCTCTAGCTTTGTAACAGCAAACCTGGCTCTGCTAAGAAGTTAGTGATCAAGAA CTTTAAAAGATAGCCTAAATTACCAGAAAACCTACACAGATGACACCCTGCAAAAAGTGAAN NGAGCAGTGGNAGCTATTAGATAGTCCTTCAATTAGTACATNTAGAAAACCTCTACCAGC TGNAGAAATCTTTGTCTAACAGATTCTGCAACTGTCAAACAGCTGAGACGATCTGGGAG ATCCATTAAGCCCAATCCTCATTAGAGAGATTCTGGGTGCTTCTTTTTTAAAGATGTAG TGGCCAACTTGGACAAGATAAATTT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AF212995 unedited</p> <pre> AAATACATCCAGNACTCTGTACAGTAAATAAAGTTTGCATGCAGTTTAAAGTATCTTTAAA TGACATTTTAAAGCAAATAAACCTTTTGCTTCATAATTAATGGTGTGAAGAACCCTCCCC CCTTTTTAATAGCCACAGGGATCTCTTCCAGTTCCAAAGAGGAATTCATGAAGACCAG GTACGTTCTTAAAGTGTTCCTGCACATCATACTAAATAACATGCAAAGAGTTCAACAACA TTCTTCTTAAAGTAAGTATTACTCTTTAAAATGGGCATGTTAACCACTGAGAAAAAGTC CACTCAACTATTTCCATTAATTACACTGCTTCATTTGGTCATCGGTAGTAAAAAGGAGT CAAATAATATTGAATCAACAGGTTAGTTTATCCACTGGCTACTGCATATGACACCAAATG CTGCAAGGCCAACATTCTATGCAATATAGTTGTACTGGTTGGATTTTCTTTATCTCTTT CCATGTAGTCCCGGTCATTAAGATTCTATTCTTCTTAAAGATCAGCAGGCTTTACTG GAAATTTCAACTGGTTGTACACTTCTGAAACAAGGAGATTGTGGCTAAGTGTCTTTCTCA TCTTCATAATTGCAACAATTGCAGCATCAATTTGATACTGTCTGTCTTGAATACTCTTTT CTGTAGTGCTTGCTTGTCTTCAACCGCTTCTTTCATCTGGATTTGATTGATCTTTATCC TGAAAAGTTATGTTTGAATCATCATTACCAATGAACTTGTACCATCTTTCATGTCTTT GCCCTTTGGATTTTTCGCCAGACCTCTAGCTTTGCCACAGGCTAATGACTGCAGTGTCTC CCTTTACCTCTCATCCCCTAT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF212995
<b>Insert Size:</b>	3000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [AF212995.1](#), [AAK16812.1](#)

**RefSeq Size:** 2810 bp

**RefSeq ORF:** 2349 bp

**Locus ID:** 8450

**Cytogenetics:** Xq24

**Domains:** CULLIN

**Protein Pathways:** Nucleotide excision repair, Ubiquitin mediated proteolysis

**Gene Summary:** This gene is a member of the cullin family. The encoded protein forms a complex that functions as an E3 ubiquitin ligase and catalyzes the polyubiquitination of specific protein substrates in the cell. The protein interacts with a ring finger protein, and is required for the proteolysis of several regulators of DNA replication including chromatin licensing and DNA replication factor 1 and cyclin E. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]