

Product datasheet for **SC206235**

Cullin 2 (CUL2) (NM_003591) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cullin 2 (CUL2) (NM_003591) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CUL2
ACCN:	NM_003591
Insert Size:	1790 bp



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Insert Sequence: >SC206235 3'UTR clone of NM_003591
The sequence shown below is from the reference sequence of NM_003591. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCGGCAGATGAATACAGCTACGTGCGGTGATGTCGCTCTCCTCCAGCGTGGTGTGAGAAGATCATTGCC
ATCACCATTTGGTGTGTTCTGTGGGAAAAAGCAGGACTGTGCCTCCATAATTTGGTCATTTGGCAGCC
CCTGTTTTCTGCTGTTTACAACATCACCAGTGCCACGTCATGAGCGTCAAAGAAAATGCCTAGAGATAT
TTCAAGCTCATGTCATTATGACATTTCTTAAAACCTTATTTAAAAGAATGAGTGAAGTATTGCTGAAAAG
TGGAAATTCGGTTGGGTACCATGCTTTTTCTCCCTTCACGTTTGCAGTTGATGTGCTTTTTTTTTTTT
TTTTAATGTATCTTAAAGGACATAAAAATTTAAAAACTTAAATATTGTAATATGACAGATAACCTAATAA
TTGTATCTACATTAATAAGACAAACATGATACTGCTGTGTCAAATAAAAAAAAAATAAGAAAATAGA
ATGCCTTTTTATGTGGATGGAGTATCAGGTTGACCACAAAATATATTGACTCAAAGCAGCTAATGCAT
CTTAGTTGCGTTTTTATCTGAATGGTTAATTCACTTGTACTCTATTTAAATCTACATGAAAAATG
TCTAGATTATTGTTCTTGACTGCATAGGACTGCATTACAGCATAAAGAATGCTTTATTTTTATGGATTAG
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TCCACAGACATCGCAGAGTGTGAGCAGGATGCTTGGTGACCTCAAGTCTGGCACAGAGAGAGCTTTTCA
TTCAAAGTTGTCTTTCTCGGTTGCATAATCCATTAATTCTAGCATAGACTAGTACCCTAGCTCTGTG
GCCTTCCCTGAGTCTTAGGAAATCTATGATACCAACATATTCCTTCTATATGCCTCCCCTACCTGTTAC
CCTTACAACCCTCCTCAACAGTTTAGATACTAGAGTCACTCTCATCAATCACAGATGTGCTTAGCAAT
GCATAACCTAAACTTTTTTAAAAAGAAAATGTACATTGTACTGGGTGCCACATATAATAACCCCA
TTATTTTGTTTATTTTATATATATATATATATAATATATATATATATATCTCAACAGCAGTGTTA
AGAGTACTGCGATCTATTATCATATTTATTGTCTATCCACACCATCACCACCACCACCACCCCTCCT
CCCTCAACATACAATTTTTCTTTATTTTAAAAAATAAGAGACGGGGTTTCGCCATGTTTCCCAGGCT
AGTCTGGAACCTCTGGCCTCAAGCAATCTATCTGTCTCCCAAAGTGTGGGATTACAAGCATGAGC
CACTGCATCCATCCAACACAAAATTTTTAAAAATCGGAATTTTTAAAGCAAATCACACAAAATTTTCA
CTTATAACTTTCAGTAAGGCCCTTAAAAAATCCACAGTGATATTACTCCTAACAAAAACAATAAT
TACTTAGTATCATCTAATATGTGGTTCATATTTAAATTTGTTGTTTGGAGATGGGCTTACAATTGGTT
TATTCAATTGCATTTTTCTAACTCGTGTCTCAAGTGTTTTAAAAATCTACTGAACTTATAATGACTTA
TATAATGTATTTCTATTTTACCTTTCTTCCAAAAGAGGAAATAATGGCAAACCATATAATATTGTACA
TTCACTGTCAAAAAGCAAACCCTTGTTTTGATAACTTGTGATTGATAAAAAGTTTTCCAAATTGA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003591.4](#)

Summary: Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. ECS complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins (PubMed:27565346). May serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).[UniProtKB/Swiss-Prot Function]

Locus ID: 8453

MW: 70.1