

Product datasheet for **RC234869**

Cullin 3 (CUL3) (NM_001257198) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cullin 3 (CUL3) (NM_001257198) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cullin 3
Synonyms:	CUL-3; NEDAUS; PHA2E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234869 representing NM_001257198
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAAGAATTCACCTTCTTTTCATTTAGTTTTAATTTGTCTCATGATGTAGTTCTCTCAGTAATCACAG
 AACCTTCAAGATGTATGACCATGGATGAAAAATATGTAACAGCATTGGGACCTTCTGAAAAATGCAAT
 TCAAGAAATCCAGCGTAAGAATAACAGTGGTCTTAGTTTTGAGGAGCTCTATAGAAATGCATATAACAATG
 GTTTTGCATAAACATGGAGAAAAGCTCTACACTGGACTAAGAGAAGTTGTTACCGAACATCTCATAAATA
 AGGTGCGAGAAGATGACTAAATTCATTGAATAACAACCTTTCTCAAACGCTAAATCAAGCTTGGAAATGA
 TCATCAAACAGCTATGGTATGATTAGAGACATACTAATGTACATGGACCGTGTGTATGTACAACAAAAT
 AATGTGGAGAACGTCTACAATTTGGGATTAATTTTTCGAGATCAAGTTGTACGTTATGGGTGTATTA
 GGGATCATCTACGGCAAACCTCTATTGGATATGATTGCAAGAGAGCGGAAAGGAGAAGTCGTAGACAGAGG
 CGCAATAAGAAAATGCTTGCCAGATGTTAATGATTTTAGGTCTCGAAGGAAGATCAGTCTATGAAGAAGAT
 TTTGAGGCTCCTTTTTTGGAAATGTCTGCAGAATTTTTTCAGATGGAAAGCCAGAAAATTTTAGCAGAAA
 ATAGTGCTTCAGTATATATAAAGAAAGTAGAAGCTAGAATTAATGAAGAAATAGAACGAGTGATGCACTG
 CCTTGACAAATCAACGGAAGAACCAATTGTAAGGTGGTTGAAAGGGAACCTATTTCCAAGCACATGAAG
 ACTATAGTAGAAATGGAGAATTCGGGCTAGTACATATGTTGAAAAATGGAAAGACAGAAGACCTTGGTT
 GCATGTACAAGTTATTTAGTCGTGTGCCAAATGGTTTGAACAATGTGTGAGTGTATGAGTTTCTATTT
 GAGGGAGCAAGGTAAAGCTCTTGTCTGAAGAAGGAGAAGGAAAGAATCCTGTTGACTATATCCAGGGC
 TTATTGGATCTGAAGAGTAGGTCGATCGCTTCTCTGGAATCATTCAACAATGACCGTCTCTTTAAAC
 AAACATTTGCGGGTGACTTTGAGTATTTCTCAACCTCAACTCCAGGTCTCTGAAATACCTCTCATTATT
 TATTGATGATAAGCTGAAAAAGGGAGTCAAAGGGCTAACAGAACAAGAAGTAGAAAACAATATTGGATAAA
 GCAATGGTCCTTTTTAGGTTTATGCAAGAAAAAGATGATTTGAACGTTATTATAAACAACACTTGGCAA
 GGAGACTTCTCACAATAAAAAGTGTCTGATGACTCTGAAAAAACATGATATCTAAGTTAAAGACTGA
 ATGTGGATGTCAGTTCACGTCAAACCTGGAAGGAATGTTAGGGATATGAGCATCTCAAACACAACGATG
 GATGAATCAGGCAACATCTACAGGCAACTGGTGTATCTTTAGGTGGTGTGATCTTACAGTCCGGGTGC
 TCACGACAGGATATTGGCCACTCAGTCAGCCACACCAAAGTGAACATCCCACCAGCACAAGACATGC
 TTTTGAGATATTCAGAAGTTCTACTTAGCCAAACACAGTGGTCGACAGCTCACACTCCAGCATCATATG
 GGTCTGCAGATCTCAATGCCACATTTATGGACCAGTTAAAAAGGAAGATGGATCTGAAGTTGGTGTG
 GAGGTGCACAAGTAACTGGCTCTAATACACGGAAGCACATATTGCAAGTTCCACTTTCCAGATGACCAT
 ATTAATGCTCTTTAATAATAGAGAAAAATACACATTTGAGGAAATTCAGCAAGAGACAGATATCCCTGAA
 AGAGAGCTTGTAGAGCCCTACAGTCCCTCGCCTGTGGTAAACCAACACAGCGGGTCTTACAAAAGAAC
 CCAATCAAAGGAAATAGAAAATGGTCATATTTACAGTTAATGATCAATTCACATCCAAACTACACAG
 AGTCAAGATTCAAACAGTTGCTGCCAAACAAGTGAATCCGACCCAGAGAGGAAAGAAACAAGGCAGAAA
 GTAGACGACGACAGAAAACATGAGATAGAAGCTGCTATAGTGGGATAATGAAATCTAGAAAAGAAGATGC
 AGCACAATGTTCTAGTAGCGGAGGTAATCAGCAGTTGAAGGCGGATTCTTACCAAGTCCAGTTGTTAT
 TAAGAAAACGTATTGAAGGACTTATTGAGAGAGAATATTTGGCACGAACACCTGAGGATCGCAAAGTATAC
 ACATATGTAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234869 representing NM_001257198
 Red=Cloning site Green=Tags(s)

MLRIHFFSFSFNLSHDVVL SVITEPSRCMTMDEKYVNSIWDLLKNAIQEIQRKNNSGLSFEELYRNAYTM
 VLHKHGEKLYTGLREVVTEHLINKVREDVLNSLNNFLQTLNQAWNDHQTAMVMIRDILMYMDRVVYQQN
 NVENVYNLGLIIFRDQVVRYGCI RDHLRQTL LDMIARERKGEVVDRGAIRNACQMLMILGLEGRSVYED
 FEAPFLEMSAEFFQMESQKFLAENSASVYIKKVEARINEEIERVMHCLDKSTEEP IVKVVERELISKHMK
 TIVEMENSGLVHMLKNGKTEDLGCMYKLF SRVPNGLKTMCECMSSYLREQGKALVSEEGEKNPVDYIQG
 LLDLKSFRDFRFLLESFNNDRLFQTIAGDFEYFLNLSRSPEYLSLFI DDKLLKKGVKGLTEQEVIILDK
 AMVLF RFMQEKDVFERYYQHLARRLLTNKSVSDDSEKNMISKLKTECGCQFTSKLEGMFRDMSISNTTM
 DEFRQHLQATGVSLGGVDLTVRVLTGGYWPTQSATPKCNIPPAPRHA FEIFRRFY LAKHSGRQLTLQHHM
 GSADLNATFYGPVKKEDGSEVGVGAQVTGSNTRKHILQVSTFQMTILMLFNNREKYTFEEIQQETDIPE
 RELVRALQSLACGKPTQRVLTKEPKSKEIENGHIFTVNDQFTSKLHRVKIQTVAAKQGESDPERKETRQK
 VDDDRKHEIEAAIVRIMKSRKKMQHNVLVAEVTQQLKARFLPSPVVIKKRIEGLIEREYLARTPEDRKVY
 TYVA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001257198.2](#)

RefSeq Size: 6473 bp

RefSeq ORF: 2325 bp

Locus ID: 8452

UniProt ID: [Q13618](#)

Cytogenetics: 2q36.2

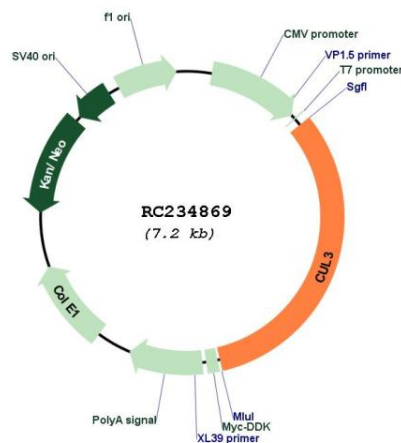
Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

MW: 90.2 kDa

Gene Summary: This gene encodes a member of the cullin protein family. The encoded protein plays a critical role in the polyubiquitination and subsequent degradation of specific protein substrates as the core component and scaffold protein of an E3 ubiquitin ligase complex. Complexes including the encoded protein may also play a role in late endosome maturation. Mutations in this gene are a cause of type 2E pseudohypoaldosteronism. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RC234869