

Product datasheet for **RC234744**

Cullin 3 (CUL3) (NM_001257197) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cullin 3 (CUL3) (NM_001257197) 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) |



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**ORF Nucleotide
Sequence:**

>RC234744 representing NM_001257197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAATCTGAGCAAAGGCACGGGCAGCCGGAAGGACACCAAGATGCGGATCCGGCCTTTCCGGTGC
 GAGAAGATGTAATAAATTCATTGAATAACAACCTTTCTTCAAACGCTAAATCAAGCTTGAATGATCATCA
 AACAGCTATGGTATGATTAGAGACATACTAATGTACATGGACCGTGTGTATGTACAACAAAATAATGTG
 GAGAACGCTACAATTTGGGATTAATATTTTTCGAGATCAAGTTGTACGTTATGGGTGATTAGGGATC
 ATCTACGGCAAACCTATTGGATATGATTGCAAGAGAGCGGAAAGGAGAAGTCGTAGACAGAGGCCGAAT
 AAGAAATGCTTGCAGATGTTAATGATTTTAGGTCTCGAAGGAAGATCAGTCTATGAAGAAGATTTTGGAG
 GCTCCTTTTTGGAAATGTCTGCAGAATTTTTTCAGATGGAAAGCCAGAAATTTTAGCAGAAAAATAGTG
 CTTAGTATATAAAGAAAGTAGAAGCTAGAATTAATGAAGAAATAGAACGAGTATGACTGCCTTGA
 CAAATCAACGGAAGAACCAATTGTAAGGTGGTTGAAAGGGAACCTATTTCCAAGCATGAAGACTATA
 GTAGAAATGGAGAATTCGGGCTAGTACATATGTTGAAAAATGGAAAGACAGAAGACCTTGGTTGCATGT
 ACAAGTTATTTAGTCGTGTGCCAATGGTTGAAAAACAATGTGTGAGTGTATGAGTTCCTATTTGAGGGA
 GCAAGGTAAGACTCTTGTCTGAAAGAGGAGAAGGAAAGAAATCCTGTTGACTATATCCAGGGCTTATTG
 GATCTGAAGAGTAGGTTGATCGCTTCTCCTGGAATCATTCAACAATGACCGTCTCTTTAAACAACTA
 TTGCGGGTGACTTTGAGTATTTCTCAACCTCACTCCAGGTCTCCTGAATACCTCTCATTATTTATTGA
 TGATAAGCTGAAAAGGGAGTCAAAGGGCTAACAGAACAAGAAGTAGAACAATATTGGATAAAGCAATG
 GTCCTTTTTAGGTTTATGCAAGAAAAAGATGATTTGAACGTTATTATAAACAACACTTGGCAAGGAGAC
 TTCTCAACAATAAAAGTGTCTGATGACTCTGAAAAAACATGATATCTAAGTTAAAGACTGAATGTGG
 ATGTCAGTTCACGTCAAAACCTGGAAGGAATGTTTAGGGATATGAGCATCTCAAACACAACGATGGATGAA
 TTCAGGCAACATCTACAGGCAACTGGTGTATCTTTAGGTGGTGTGATCTTACAGTCCGGGTGCTCACGA
 CAGGATATTGGCCCACTCAGTCAGCCACACCAAAGTGAACATCCACCAGCACCAAGACATGCTTTTGA
 GATATTCAGAAGTTCTACTTAGCCAAACACAGTGGTCGACAGCTCACACTCCAGCATCATATGGTTCT
 GCAGATCTCAATGCCACATTTTATGGACCAGTTAAAAAGGAAGATGGATCTGAAGTTGGTGTGGAGGTG
 CACAAGTAACTGGCTCTAATACACGGAAGCACATATTGCAAGTTCCACTTTCCAGATGACCATATTAAT
 GCTCTTTAATAATAGAGAAAAATACACATTTGAGGAAATTCAGCAAGAGACAGATATCCCTGAAAGAGAG
 CTTGTTAGAGCCCTACAGTCCCTCGCCTGTGGTAAACCAACACAGCGGGTCTTACAAAAGAACCCAAAT
 CAAAGGAAATAGAAAATGGTCATATATTTACAGTTAATGATCAATTCACATCCAAACTACACAGAGTCAA
 GATTCAAACAGTTGCTGCCAAACAAGGTGAATCCGACCCAGAGAGGAAAGAAACAAGGCAGAAAAGTAGAC
 GACGACAGAAAACATGAGATAGAAGCTGCTATAGTGCGGATAATGAAATCTAGAAAAGAGATGCAGCACA
 ATGTTCTAGTAGCGGAGGTAACCTCAGCAGTTGAAGGCGGATTCTTACCAAGTCCAGTTGTTATTAAGAA
 ACGTATTGAAGGACTTATTGAGAGAGAATTTGGCACGAACACCTGAGGATCGCAAAGTATACACATAT
 GTAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_001257197.1](#), [NP_001244126.1](#)

RefSeq Size: 6592 bp

RefSeq ORF: 2109 bp

Locus ID: 8452

UniProt ID: [Q13618](#)

Cytogenetics: 2q36.2

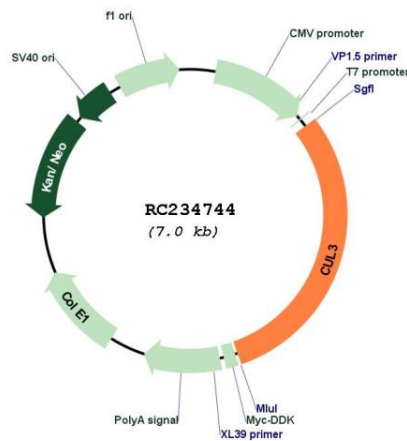
Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

MW: 81.5 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 RC234744