

## Product datasheet for **SC315848**

### Cullin 4B (CUL4B) (NM\_001079872) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cullin 4B (CUL4B) (NM_001079872) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cullin 4B
Synonyms:	CUL-4B; MRXHF2; MRXS15; MRXSC; SFM2
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001079872, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCCAACAGGTTTTTCTTCCCCCAGTCCCTCAGCTGCTGCTGCTCAGGAGGTC
AGATCTGCCACTGATGGTAATACCAGCACCCTCCGCCACCTCTGCCAAGAAGAGAAAG
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TCGTCTTCTGCCTGGGGTTTTCACTGGCTGCTTCCAGCCACGTACCGATACAGAAGAAG
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TTTCCAGTAAAGCCTGCTGATCTTAAGAAGAGAATAGAATCTTTAATTGACCGGGACTAC
ATGGAAAGAGATAAAGAAAATCCAAACCAGTACAACCTATATTGCA

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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001079872

<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001079872.1</a></u> , <u><a href="#">NP_001073341.1</a></u>
<b>RefSeq Size:</b>	5198 bp
<b>RefSeq ORF:</b>	2688 bp
<b>Locus ID:</b>	8450
<b>UniProt ID:</b>	<u><a href="#">Q13620</a></u>
<b>Cytogenetics:</b>	Xq24
<b>Protein Pathways:</b>	Nucleotide excision repair, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter and unique N-terminus, compared to isoform 1.</p>