

Product datasheet for **RG206935**

Cullin 4B (CUL4B) (NM_003588) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cullin 4B (CUL4B) (NM_003588) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cullin 4B
Synonyms:	CUL-4B; MRXHF2; MRXS15; MRXSC; SFM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG206935 representing NM_003588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTCACAGTCATCTGGATCAGGAGATGGGAATGATGATGAGGCTACTACCTCTAAAGACGGTGGTT
 TTTCTTCCCCAGTCCCTCAGCTGCTGCTGCTCAGGAGGTCAGATCTGCCACTGATGGTAATACCAG
 CACCACCTCGCCACCTCTGCCAAGAAGAGAAAGTTAAACAGCAGCAGCAGTAGCAGCAGTAACAGTAGT
 AACGAGAGAGAAGACTTTGATTCCACCTCTTCTCTCTTCCACTCCTCCTTTACAACCCAGGGATTTCGG
 CATCCCCTTCAACCTCGTCTTCTGCTGGGGTTTCAGTGGCTGCTTCCAGCCACGTACCGATACAGAA
 GAAGCTGCGTTTTGAAGACACCTGGAGTTGTAGGGTTTGTAGCGAAGATGGCTGAGGAATCCTCTCC
 TCCTCTCTCATCTTCCCAACTGCTGCAACATCTCAGCAGCAGCAACTAAAAATAAGAGTATATTA
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 AGTACAATTTAGAAGAACTCTACCAGGCTGTAGAAAATCTCTGTTCTTACAAGATTTCTGCAAACTTGTA
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 GATAGCGTTCTTTTTTAAAGAAGATTGATAGATGCTGGCAAAACCATTGCAGACAAATGATCATGATCA
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 TTAGCCACAATCTCCTTGTTCAGAAGTGTACAACAGTTGAAATTTCCAGTAAAGCCTGCTGATCTTAA
 GAAGAGAATAGAATCTTTAATTGACCGGACTACATGAAAGAGATAAAGAAAATCCAAACCAAGTACAAC
 TATATTGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206935 representing NM_003588
 Red=Cloning site Green=Tags(s)

MMSQSSGSGDGNDEATTSKDGGFSSPSPSAAAAAQEVRSATDGNTSTTPPTS AKKRKLNSSSSSSSNSS
 NEREDFDSTSSSSSTPLQPRDASPSTSSFCLGVSVAASSHVP IQKKLRFEDTLEFVGFDAKMAEESS
 SSSSSSPTAATSQQQLKNKSILISSVASVHANGLA KSSTTVSSFANSKPGS AKKLVIK NFKDKPKLPE
 NYTDETWQKLKEAVEAIQNSTSIKYNLEELYQAVENLCSYKISANLYKQLRQICEDHIKAQIHQFREDSL
 DSVLFLKKIDRCWQNHCRQMIMIRSIFLFLDRTYV LQNSMLPSIWMGLEL FRAHIISDQKVQNKTI DGI
 LLLIERERNGE AIDRSLLRSLLSMLSDLQIYQDSFEQRFLEETNRLYAAEGQKLMQEREVPEYLHHV NKR
 LEEEADRLITYLDQTTQKSLIATVEKQLLGEHLT AILQKGLNLLDENRIQDLSLLYQLFSRV RGGVQVL
 LQQWIEYIKAFGSTIVINPEKDKTMVQELLDFKDKVDHIIDICFLKNEKF INAMKEAFETFINKRPNKPA
 ELIAKYVDSKLRAGNKEATDEELEKMLDKIMIIFRFIYGKDVFEAFYK KDLAKRLLVGKSASVDAEK SML
 SKLKHECGAAFTSKLEGMFKDMELSKDIMIQFKQYMQNQNVPGNIELTVNILTMGYWPTYVPMEVHLPPE
 MVKLQEIFKTFYLGKHSGRKLQWQSTIGHCVLKA EFKGKELQVSLFQTLVLLMFNEGEEF SLEEIKQA
 TGIEDGELRRTLQSLACGKARVLAKNPKGKDIEDGDKFICNDDFKHKLFR IKINQIQMKETVEEQASTTE
 RVFQDRQYQIDA AIVRIMKMRKTL SHNLLVSEVYNQLKFPVKPADLKKRIE SLIDRDYMERDKENPNQYN
 YIA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

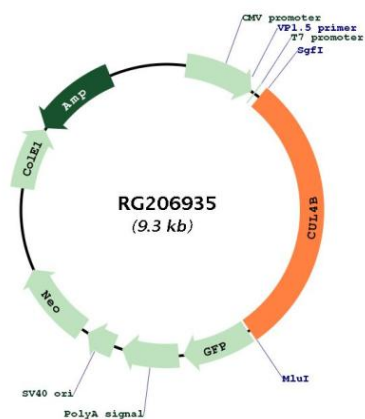
Cloning Scheme:



ACCN: NM_003588

ORF Size:	2739 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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:	<ol style="list-style-type: none">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_003588.2 , NP_003579.2
RefSeq Size:	3278 bp
RefSeq ORF:	2742 bp
Locus ID:	8450
UniProt ID:	Q13620
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]

Product images:



Circular map for RG206935