

## Product datasheet for TP306935L

### Cullin 4B (CUL4B) (NM\_003588) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cullin 4B (CUL4B), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206935 protein sequence Red=Cloning site Green=Tags(s)

MMSQSSGSGDGNDEATTSKDGGFSSPSPSAAAAAQEVRSATDGNTSTTPPTSAKKRKLNSSSSSSSNSS  
NEREDFDSTSSSSSTPPLQPRDSASPSTSSFCLGVSVAASSHVPIQKRLRFEDTLEFVGFDAKMAEESS  
SSSSSPTAATSQQQLKNKSILISSVASVHHANGLAKSSTTVSSFANSKPGSAKLVKFNKDKPKLPE  
NYTDETWQKLKEAVEAIQNSTSIKYNLEELYQAVENLCSYKISANLYKQLRQICEDHIKAQIHQFREDSL  
DSVLFLLKIDRCWQNHCRQMIMIRSIFLDRTYVLQNSMLPSIWDMGLELFRHHISDQKVNKTIDGI  
LLIERERNGEAIDRSLRSLLSMLSDLQIQDSFEQRFLFETNRLYAAEGQKLMQEREVPEYLHHVNR  
LEEEADRLITYLDQTTQKSLIATVEKQLLGEHLTAILQKGLNLLDENRIQDLSLLYQLFSRVRGGVQL  
LQQWIEYIKAFGSTIVINPEKDKTMVQELLDKDKVDHIIDICFLKNEKFINAMKEAFETFINKRPNKPA  
ELIAKYVDSKLRAGNKEATDEELEKMLDKIMIIFRFIYGKDVFEAFYKDLAKRLLVKGKSASVDAEKSML  
SKLKHECGAAFTSKLEGMFKDMELSKDIMIQFKQYMQNQNPVGNIELTVNILTMGYWPTYVPMVHLPPE  
MVKLQEIFKTFYLGKHSRKLQWQSTIGHCVLKAEFKEGKELQVSLFQTLVLLMFNEGEEFSLEEIKQA  
TGIEDGELRRTLQSLACGKARVLAKNPKGKDIEDGDKFICNDDFKHKLFRINQIQMKETVEEQASTE  
RVFQDRQYQIDAAIVRIMKMRKTLSHNLLVSEVYNQLKFPVKPADLKKRIESLIDRDYMERDKENPNQYN  
YIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	103.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_003579](#)

**Locus ID:** 8450

**UniProt ID:** [Q13620](#)

**RefSeq Size:** 5365

**Cytogenetics:** Xq24

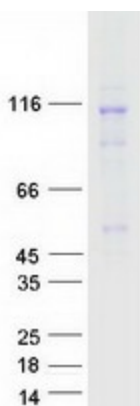
**RefSeq ORF:** 2739

**Synonyms:** CUL-4B; MRXHF2; MRXS15; MRXSC; SFM2

**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]

**Protein Pathways:** Nucleotide excision repair, Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified CUL4B protein (Cat# [TP306935]). The protein was produced from HEK293T cells transfected with CUL4B cDNA clone (Cat# [RC206935]) using MegaTran 2.0 (Cat# [TT210002]).