

## Product datasheet for TP308066L

### Cullin 3 (CUL3) (NM\_003590) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cullin 3 (CUL3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208066 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSNLSKGTGSRKDTKMRIRAFPMTMDEKYVNSIWDLLKNAIQEIQRKNNSGLSFEELYRNAYTMVLHKHG  
EKLYTGLREVVTEHLINKVREDVLNSLNNNLFQTLNQAWNDHQTAMVMIRDILMYMDRVVYQQNNVENVY  
NLGLIIFRDQVRYGCI RDHLRQTL DMIARERKGEVVD RGAINACQMLMILGLEGRSVYEEDEFAPFL  
EMSAEFFQMESQKFLAENSASVYIKKVEARINEEIERVMHCLDKSTEEPIVKVERELISKHMKTIVEME  
NSGLVHMLKNGKTEDLGCMYKLSRVPNGLKTMCECMSSYLREQGKALVSEEGEGKPNVDYIQGLLDLKS  
RFDRFLLESFNDR LFKQTIAGDFEYFLNLSRSPEYLSLFIDDKLKKGVKGLTEQEVETILDKAMVLF  
FMQEKDVFERYKQHLARRLLTNKSVSDDSEKNMISKLKTECGCQFTSKLEGMFRDMSISNTTMD EFRQH  
LQATGVSLGGVDLTVRVLTTGYWPTQSATPKCNIPPAPRHA FEIFRRFYLA KHSGRQLTLQH HMG SADLN  
ATFYGPVKKEDGSEVGVGGAQV TGSNTRKHILQVSTFQMTILMLFN NREKYTFEEIQQETDIPERELVRA  
LQSLACGKPTQRVLTKEPKSKEIENGHIFTVNDQFTSKLHRVKIQTVAAKQGESDPERKETRQKVDDDRK  
HEIEAAIVRIMKSRKKMQHNVLVAEVTQQLKARFLPSPVVIKKRIEGLIEREYLARTPEDRKVYTYVA

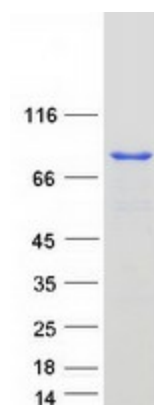
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	88.7 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.
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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003581</a>
<b>Locus ID:</b>	8452
<b>UniProt ID:</b>	<a href="#">Q13618</a> , <a href="#">A0A024R475</a>
<b>RefSeq Size:</b>	6790
<b>Cytogenetics:</b>	2q36.2
<b>RefSeq ORF:</b>	2304
<b>Synonyms:</b>	CUL-3; NEDAUS; PHA2E
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis

**Product images:**

Coomassie blue staining of purified CUL3 protein (Cat# [TP308066]). The protein was produced from HEK293T cells transfected with CUL3 cDNA clone (Cat# [RC208066]) using MegaTran 2.0 (Cat# [TT210002]).