

Product datasheet for PH308066

Cullin 3 (CUL3) (NM_003590) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CUL3 MS Standard C13 and N15-labeled recombinant protein (NP_003581)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208066
Predicted MW:	88.9 kDa
Protein Sequence:	>RC208066 protein sequence Red=Cloning site Green=Tags(s)

MSNLSKGTGSRKDTKMRIRAFPMTMDEKYVNSIWDLKNAIQEIQRKNNSGLSFEELYRNAYTMVLHKHG
EKLYTGLREVVTEHLINKVREDVLSLNNFLQTLNQAANDHQTAMVMIRDILMYMDRVVYVQNNVENVY
NLGLIIFRDQVRYGCIIRDHLRQTLLDMIARERKGEVVDRGAIRNACQMLMILGLEGRSVYEEEDFEAPFL
EMSAEFFQMSQKFLAENSASVYIKKVEARINEEIERVMHCLDKSTEPIVKVVERELISKHMKTIVEME
NSGLVHMLKNGKTEDLGCMYKLSRVPNGLKTMCECMSSYLREQKALVSEEGEGKPNVDYIQGLLDLKS
RFDRFLLESFNDRFLFKQTIAGDFEYFLNLSRSPEYLSLFIIDDKLKKGVKGLTEQEVETILDKAMVLF
FMQEKDVFERYKQHLARRLLTNKSVSDDSEKNMISKLKTECGCQFTSKLEGMFRDMSISNTTMDEFRQH
LQATGVSLGGVDLTVRVLTTGYWPTQSATPKCNIPAPRHAIFEFRFYLAHSGRQLTLQHMGASADLN
ATFYGPVKKEDGSEVGVGAQVTSNTRKHILQVSTFQMTILMLFNNREKYTFEEIQQETDIPERELVRA
LQSLACGKPTQRVLTKEPKSKEIENGHIFTVNDQFTSKLHRVKIQTVAAKQGESDPERKETRQKVDDDRK
HEIEAAIVRIMKSRKKMQHNVLVAEVTQQLKARFLPSPVVIKKRIEGLIEREYLARTPEDRKVYTYVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003581</u>



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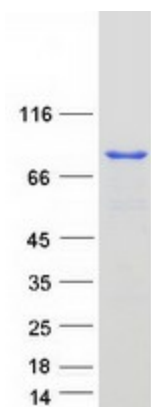
RefSeq Size:	6790
RefSeq ORF:	2304
Synonyms:	CUL-3; NEDAUS; PHA2E
Locus ID:	8452
UniProt ID:	Q13618 , A0A024R475
Cytogenetics:	2q36.2

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]

Protein Families: Druggable Genome

Protein Pathways: 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]).