

Product datasheet for PH306935

Cullin 4B (CUL4B) (NM_003588) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CUL4B MS Standard C13 and N15-labeled recombinant protein (NP_003579)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206935
Predicted MW:	104 kDa
Protein Sequence:	>RC206935 protein sequence Red=Cloning site Green=Tags(s)

MMSQSSSGDGNDEATTSKDGGFSSPSPSAAAAAQEVRSATDGNSTSTPPTSAAKRKLNSSSSSSNS
NEREDFDSTSSSSTPPLQPRDSASPSTSSFCLGVSVAASSHVPIQKLRFDLTLEFVGFADKMAEESS
SSSSSPTAATSQQQLKNSILISSVASVHANGLAKSSTTVSSFANSKPGSAKLVIKNFKDKPKLPE
NYTDETWQKLKEAVEAIQNSTSIKYNLEELYQAVENLCSYKISANLYKQLRQICEDHIKAQIHQFREDSL
DSVLFLLKIDRCWQNHCRQMIMIRSIFFLDRTYVLQNSMLPSIWDMLGELFRAHII SDQKVQNKTDIGI
LLLIERERNGEADRSLRLSLLSMLSDLQIYQDSFEQRFL EETNRLYAAEGQKLMQEREVPEYLHHVNR
LEEEADRLITYLDQTTQKSLIATVEKQLLGEHLTAILQKGLNLLDENRIQDLSLLYQLFSRVGGVQVL
LQQWIEYIKAFGSTIVINPEKDKTMVQELLDKDKVDHIIDICFLKNEKF INAMKEAFETFINKRPNKPA
ELIAKYVDSKLRAGNKEATDEELEKMLDKIMIIFRFIYGKDVFEAFYKDKLAKRLLVGSASVDAEKSML
SKLKHECGAAFTSKLEGMFKDMELSKDIMIQFKQYMQNQVPGNIELTVNILTMGYWPTYVPMEVHLPE
MVKLQEIFKTFYLGKHSRKLQWQSTIGHCVLKAEFKEGKELQVSLFQTLVLLMFNEGEEFSLEEIKQA
TGIEDGELRRTLQSLACGKARVLAKNPKGKDIEDGDKFICNDDFKHKLFRIKINQIQMKETVEEQASTE
RVFQDRQYQIDAAIVRIMKMRKTLSHNLLVSEVYNQLKFPVKPADLKKRIESLIDRDYMERDKENPNQYN
YIA

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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.



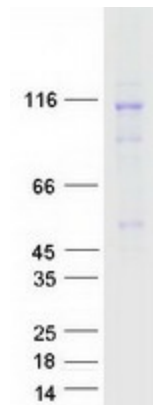
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RefSeq:	NP_003579
RefSeq Size:	5365
RefSeq ORF:	2739
Synonyms:	CUL-4B; MRXHF2; MRXS15; MRXSC; SFM2
Locus ID:	8450
UniProt ID:	Q13620
Cytogenetics:	Xq24

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]).