

Product datasheet for PH320593

Rubicon (RUBCN) (NM_014687) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KIAA0226 MS Standard C13 and N15-labeled recombinant protein (NP_055502)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220593
Predicted MW:	108.4 kDa
Protein Sequence:	>RC220593 representing NM_014687 Red=Cloning site Green=Tags(s)

MRPEGAGMELGGGEERLPEESRREHWQLLGNLKTVEGLVSTNSPNVWSKYGGLEERLCRDMQSILYHGLIRDQACRRQTDYWFVKDIRWLSPHSALHVEKFI SVHENDQSSADGASERAVAELWLQHSLLQYHCLSAQLRPLLGDQRQYIRKFYTDAAFLLSDAHVTAMLQCLEAVEQNNPRLLAQIDASMFARKHESPLLVTKSQSLTALPSSTYTPPNSYAQHSYFGSFSLLHQSVPNNGSERRSTSFPLSGPPRPQPESRGHVSPAEDQTIQAPPVSVSALARDSPLTPNEMSSSTLTSPIEASWVSSQNDSPGDASEGPEYLAIGNLDPRGRTASCQSHSSNAESSSNLFSSSSQKPDASAASSLGDQEGGSQLSSVLRSSSFSEGQTLTVTSGAKKSHIRSHSDTSIASRGAPESCNDKAKLRGPLPYSGQSSEVSTPSSLYMEYEGGRYLCSGEGMFRPSEGQSLISYLSAQDFGSCADLEKENAHFSISESLIAAIELMCKNMQSCLLEEEVEEEDSDREIQELKQKIRLRRQQIRTKNLLPMYQEAHGSFRVTSSSSQFSSRDSAQLSDSGSADEVDFEIQDADIRRNTASSKSFVSSQSFSHCFHLHSTSAEAVAMGLLKKQFEGMQLPAASELEWL VPEHDAPQKLLPDPDSLPI SPDDGQHADIYKLRIRVRGNLEWAPPRPQIFNVHPAPTRKIAVAKQNYRCAGCGIRTDPDYIKRLRYCEYLKGYFCQCCHENAQMAIPSRVLRKWDFSKYYVSNFSKDLLIKIWNPLFNVQDINSALYRKVKLLNQVRLLRVQLCHMKNMFKTCRLAKELLDSDFTVPGHLLTEDLHL YSLNDLTATRKGELGPRLAELTRAGATHVERCMLCQAKGFICEFCQNEDDIIFPFELHKCR TCEECKACYHKACFKSGSCPRCERLQARREALARQSLESYLSDYEEEPAEALALEAAVLEAT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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.

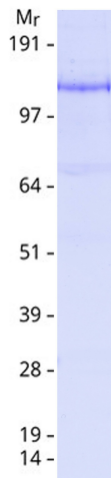


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RefSeq:	NP_055502
RefSeq Size:	6732
RefSeq ORF:	2916
Synonyms:	KIAA0226; RUBICON; SCAR15
Locus ID:	9711
UniProt ID:	Q92622 , Q8N4U6
Cytogenetics:	3q29

Summary: The protein encoded by this gene is a negative regulator of autophagy and endocytic trafficking and controls endosome maturation. This protein contains two conserved domains, an N-terminal RUN domain and a C-terminal DUF4206 domain. The RUN domain is involved in Ras-like GTPase signaling, and the DUF4206 domain contains a diacylglycerol (DAG) binding-like motif. Mutation in this gene results in deletion of the DAG binding-like motif and causes a recessive ataxia. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Product images:



Coomassie blue staining of purified RUBCN protein (Cat# [TP320593]). The protein was produced from HEK293T cells transfected with RUBCN cDNA clone (Cat# [RC220593]) using MegaTran 2.0 (Cat# [TT210002]).