

## Product datasheet for **TP320593M**

### Rubicon (RUBCN) (NM\_014687) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens KIAA0226 (KIAA0226), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220593 representing NM_014687 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRPEGAGMELGGGEERLPEESRREHWQLLGNLKTTEGLVSTNSPNWWSKYGGGLERLCRDMQSILYHGL  
I  
RDQACRRQTDYWQFVKDIRWLSPHSALHVEKFISVHENDQSSADGASERAVAELWLQHSLQYHCLSAQL  
R  
PLLGDRQYIRKFYTDAAFLLSDAHVTAMLQCLEAVEQNNPRLLAQIDASMFARKHESPLLVTKSQSLTAL  
PSSTYTPPNSYAQHSYFGSFSLLHQSVPNNGSERRSTSFPLSGPPRPQESRGHVSPAEDQTIQAPPVSV  
SALARDSPLTPNEMSSSTLTSPIEASWVSSQNDSPGDASEGPEYLAIGNLDPGRGTASCQSHSSNAESS  
SNLFSSSSSQKPDASAASSLGDQEGGGESQLSSVLRSSSFSEGQTLTIVTSGAKKSHIRSHSDTSIASRGAP  
ESCNDKAKLRGPLPYSGQSSEVSTPSSLYMEYEGGRYLCSEGGMFRPSEGQSLISYLSEQDFGSCADLE  
KENAHFSISESLIAAIELMKCNMMSQCLEEEVEVEEDSDREIQELKQKIRLRRQQIRTKNLLPMYQEAEH  
GSFRVTSSSSQFSSRDSAQLSDSGSADEVDEFEIQDADIRRNNTASSKSFVSSQSFSHCFHSTSAEAVA  
MGLLKQFEGMQLPAASELEWLVEHDAPQKLLPIPDSLPIPDGQHADIYKLRIRVRGNLEWAPPRPQI  
IFNVHPAPTRKIAVAKQNYRCAGCGIRTDPDYIKRLRYCEYLKGYFCQCCHENAQMAIPSRVLRKWFDFSK  
YYVSNFSKDLLIKIWNDFLNVQDINSALYRKVKLLNQVRLLRVQLCHMKNMFKTCRLAKELLDSDFTVP  
GHLTEDLHLYSLNDLTATRKGELGPRLAELTRAGATHVERCMLCQAKGFICEFCQNEDDIIFPFELHKCR  
TCEECKACYHKACFKSGSCPRCERLQARREALARQSLESYLSDYEEPAEALALEAAVLEAT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

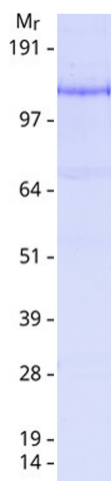
Tag:	C-Myc/DDK
Predicted MW:	108.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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_055502</a>
<b>Locus ID:</b>	9711
<b>UniProt ID:</b>	<a href="#">Q92622</a>
<b>RefSeq Size:</b>	6732
<b>Cytogenetics:</b>	3q29
<b>RefSeq ORF:</b>	2916
<b>Synonyms:</b>	KIAA0226; RUBICON; SCAR15
<b>Summary:</b>	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]).