

Product datasheet for **TP320593L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220593 representing NM_014687 Red =Cloning site Green =Tags(s)

MRPEGAGMELGGGEERLPEESRREHWQLLGNLKTTEGLVSTNSPNWWSKYGGGLERLCRDMQSILYHGL
I
RDQACRRQTDYWQFVKDIRWLSPHSALHVEKFISVHENDQSSADGASERAVAELWLQHSYHCLSAQL
R
PLLGDRQYIRKFYTDAAFLSDAHVTAMLQCLEAVEQNNPRLAQIDASMFARKHESPLLVTKSQSLTAL
PSSTYTPNSYAQHSYFGSFSLLHQSVPNNGSERRSTSFPLSGPPRPQESRGHVSPAEDQTIQAPPVSV
SALARDSPLTPNEMSSSTLTSPIEASWVSSQNDSPGDASEGPEYLAIGNLDPGRRTASCQSHSSNAESS
SNLFSSSSSQKPDASAASSLGDQEGGGESQLSSVLRSSSFSEGQTLTVTSGAKKSHIRSHSDTSIASRGAP
ESCNDKAKLRGPLPYSGQSSEVSTPSSLYMEYEGGRYLCSEGGMFRPSEGLISYLSEQDFGSCADLE
KENAHFSISESLIAAIELMKCNMMSQCLEEEVEEEDSDREIQELKQKIRLRRQQIRTKNLLPMYQEAH
GSFRVTSSSQFSSRDSAQLSDSGSADEVDEFEIQDADIRRNNTASSKSFVSSQSFHCFHSTSAEAVA
MGLLKQFEGMQLPAASELEWLVEHDAPQKLLPIPDSLPIPDGQHADIYKLRIRVRGNLEWAPPRPQI
IFNVHPAPTRKIAVAKQNYRCAGCGIRTDPDYIKRLRYCEYLKGYFCQCCHENAQMAIPSRVLRKWDFSK
YYVSNFSKDLLIKIWNDFLNVQDINSALYRKVLLNQVRLLRVQLCHMKNMFKTCRLAKELLDSEFDVTP
GHLTEDLHLYSLNDLTATRKGELGPRLAELTRAGATHVERCMLCQAKGFICEFCQNEDDIIFPFELHKCR
TCEECKACYHKACFKSGSCPRCERLQARREALARQSLESYLSDYEEPAEALALEAAVLEAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

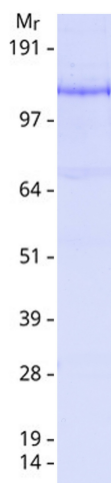
Tag:	C-Myc/DDK
Predicted MW:	108.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055502
Locus ID:	9711
UniProt ID:	Q92622
RefSeq Size:	6732
Cytogenetics:	3q29
RefSeq ORF:	2916
Synonyms:	KIAA0226; RUBICON; SCAR15
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]).