

## Recombinant Human RUBCN Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RUBCN-6004H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | KIAA0226 MS Standard C13 and N15-labeled recombinant protein (NP_055502) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</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. |
| <b>Molecular Mass</b>   | 108.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MRPEGAGMELGGGEERLPEESRREHWQLLGNLKTTEGLVSTNSPNVWSKYGGL<br>ERLCRDMQSILYHGLIRDQACRRQTDYWQFVKDIRWLSPHSALHVEKFISVHENDQ<br>SSADGASERAVAEWLQHSLSLQYHCLSAQLRPLLGDQRQYIRKFYTDAAFLLSDAHVTA<br>MLQCLEAVEQNNPRLLAQIDASMFARKHESPLLVTKSQSLTALPSSTYTPPNSYAQH<br>SYFGSFSSLHQSVPNNGSERRSTSFPLSGPPRKPQESRGHVSPAEDQTIQAPPVSV<br>SALARDSPLTPNEMSSSTLTSPIEASWVSSQNDSPGDASEGPEYLAIGNLDPRGRTA                                                                                                                                                                                                                  |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

SCQSHSSNAESSSSNLFSSSSSQKPDSAASSLGDQEGGGESQLSSVLRRSSFSEG  
 QTLTVTSGAKKSHIRSHSDTSIASRGAPESCNDKAKLRGPLPYSGQSSEVSTPSSLY  
 MEYEGGRYLCSGEGMFRRPSEGQSLISYLSEQDFGSCADLEKENAHFSISESLIAAI  
 ELMKCNMMSQCLEEEVEEEDSDREIQELKQKIRLRQQIRTKNLLPMYQEAHGS  
 FRVTSSSSQFSSRDSAQLSDSGSADEVDEFEIQDADIRNTASSSKSFVSSQSFSHC  
 FLHSTSAEAVAMGLLKQFEGMQLPAASELEWLVEHDAPQKLLPIPDSPISPDDGQ  
 HADIYKLRIRVRGNLEWAPPRPQIIFNVHPAPTRKIAVAKQNYRCAGCGIRTPDYIK  
 RRLRYCEYLGKYFCQCCHENAQMAIPSRVLRKWDFSKYYVSNFSKDLLIKIWNPLFN  
 VQDINSALYRKVKLLNQVRLLRVQLCHMKNMFKTCRLAKELLDSFDTVPGHLTEDLH  
 LYSLNDLTATRKGELGPRLAELTRAGATHVERCMLCQAKGFICEFCQNEDDIIFPFEL  
 HKCRTCEECKACYHKACFKSGSCPRCERLQARREALARQSLESYLSDYEEEPAEAL  
 ALEAAVLEATTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** RUBCN rubicon autophagy regulator [ Homo sapiens (human) ]

**Official Symbol** RUBCN

**Synonyms** RUBCN; rubicon autophagy regulator; SCAR15; RUBICON; KIAA0226; run domain

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Beclin-1-interacting and cysteine-rich domain-containing protein; RUN and cysteine rich domain containing beclin 1 interacting protein; RUN domain and cysteine-rich domain containing, Beclin 1-interacting protein; baron; beclin-1 associated RUN domain containing protein; rundataxin

**Gene ID** [9711](#)

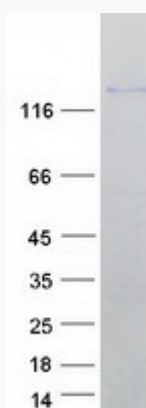
**mRNA Refseq** [NM\\_014687](#)

**Protein Refseq** [NP\\_055502](#)

**MIM** [613516](#)

**UniProt ID** [Q92622](#)

**SDS-PAGE**



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