Recombinant Full Length Human RUBCN Protein, C-Flag-tagged

Cat. No. RUBCN-370HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RUBCN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	108.4 kDa
AA Sequence	MRPEGAGMELGGGEERLPEESRREHWQLLGNLKTTVEGLVSTNSPNVWSKYGGL ERLCRDMQSILYHGLI RDQACRRQTDYWQFVKDIRWLSPHSALHVEKFISVHENDQ SSADGASERAVAELWLQHSLQYHCLSAQLR PLLGDRQYIRKFYTDAAFLLSDAHVT AMLQCLEAVEQNNPRLLAQIDASMFARKHESPLLVTKSQSLTAL PSSTYTPPNSYA QHSYFGSFSSLHQSVPNNGSERRSTSFPLSGPPRKPQESRGHVSPAEDQTIQAPPV

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	SV SALARDSPLTPNEMSSSTLTSPIEASWVSSQNDSPGDASEGPEYLAIGNLDPRG RTASCQSHSSNAESSS SNLFSSSSSQKPDSAASSLGDQEGGGESQLSSVLRRSSF SEGQTLTVTSGAKKSHIRSHSDTSIASRGAP ESCNDKAKLRGPLPYSGQSSEVSTP SSLYMEYEGGRYLCSGEGMFRRPSEGQSLISYLSEQDFGSCADLE KENAHFSISES LIAAIELMKCNMMSQCLEEEEVEEEDSDREIQELKQKIRLRRQQIRTKNLLPMYQEAE H GSFRVTSSSSQFSSRDSAQLSDSGSADEVDEFEIQDADIRRNTASSSKSFVSSQS FSHCFLHSTSAEAVA MGLLKQFEGMQLPAASELEWLVPEHDAPQKLLPIPDSLPISP DDGQHADIYKLRIRVRGNLEWAPPRPQI IFNVHPAPTRKIAVAKQNYRCAGCGIRTD PDYIKRLRYCEYLGKYFCQCCHENAQMAIPSRVLRKWDFSK YYVSNFSKDLLIKIWN DPLFNVQDINSALYRKVKLLNQVRLLRVQLCHMKNMFKTCRLAKELLDSFDTVP GH LTEDLHLYSLNDLTATRKGELGPRLAELTRAGATHVERCMLCQAKGFICEFCQNEDD IIFPFELHKCR TCEECKACYHKACFKSGSCPRCERLQARREALARQSLESYLSDYEEEPAEALALEA AVLEATTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

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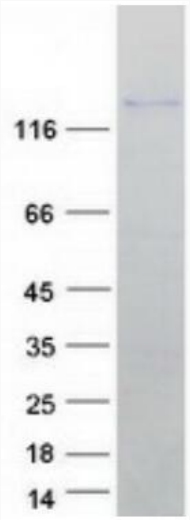
Gene Name	RUBCN rubicon autophagy regulator [Homo sapiens (human)]
Official Symbol	RUBCN
Synonyms	SCAR15; RUBICON; KIAA0226
Gene ID	9711
mRNA Refseq	NM_014687.4
Protein Refseq	NP_055502.1
MIM	613516
UniProt ID	Q92622



Coomassie blue staining of purified RUBCN protein.

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