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Product datasheet for RC220593L3V

Rubicon (RUBCN) (NM_014687) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rubicon (RUBCN) (NM_014687) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Rubicon
Synonyms:	KIAA0226; RUBICON; SCAR15
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014687
ORF Size:	2916 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220593).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014687.1
RefSeq Size:	6732 bp
RefSeq ORF:	2919 bp
Locus ID:	9711
UniProt ID:	Q92622
Cytogenetics:	3q29
MW:	108.4 kDa

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Gene 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]