

Product datasheet for MC204861

Rubcn (NM_172615) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rubcn (NM_172615) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rubcn
Synonyms: 1700021K19Rik; 5330403K09; Kiaa0226; mKIAA0226; Rubicon
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC067390

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 AAATAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:	NM_172615
Insert Size:	2826 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC067390</u> , <u>AAH67390</u>
RefSeq Size:	5267 bp
RefSeq ORF:	2826 bp
Locus ID:	100502698
UniProt ID:	<u>Q80U62</u>
Cytogenetics:	16 B3
Gene Summary:	<p>Inhibits PIK3C3 activity; under basal conditions negatively regulates PI3K complex II (PI3KC3-C2) function in autophagy. Negatively regulates endosome maturation and degradative endocytic trafficking and impairs autophagosome maturation process (PubMed:19270693). Can sequester UVRAG from association with a class C Vps complex (possibly the HOPS complex) and negatively regulates Rab7 activation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform b), compared to isoform a.</p>