

## Product datasheet for **RC200307L4V**

### **RHEB (NM\_005614) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RHEB (NM_005614) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RHEB
Synonyms:	RHEB2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005614
ORF Size:	552 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200307).
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. <a href="#">More info</a>
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:	<a href="#">NM_005614.2</a>
RefSeq Size:	1396 bp
RefSeq ORF:	555 bp
Locus ID:	6009
UniProt ID:	<a href="#">Q15382</a>
Cytogenetics:	7q36.1
Domains:	ras, RAS, RHO, RAB
Protein Pathways:	Insulin signaling pathway, mTOR signaling pathway



[View online »](#)

**MW:** 20.3 kDa

**Gene Summary:** This gene is a member of the small GTPase superfamily and encodes a lipid-anchored, cell membrane protein with five repeats of the RAS-related GTP-binding region. This protein is vital in regulation of growth and cell cycle progression due to its role in the insulin/TOR/S6K signaling pathway. The protein has GTPase activity and shuttles between a GDP-bound form and a GTP-bound form, and farnesylation of the protein is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22. [provided by RefSeq, Jul 2008]