

## Product datasheet for **RC215374L2V**

### **GAB2 (NM\_012296) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GAB2 (NM_012296) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GAB2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012296
ORF Size:	2028 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215374).
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_012296.2</a>
RefSeq Size:	6062 bp
RefSeq ORF:	1917 bp
Locus ID:	9846
UniProt ID:	<a href="#">Q9UQC2</a>
Cytogenetics:	11q14.1
Protein Families:	Druggable Genome
Protein Pathways:	Chronic myeloid leukemia, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis



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**MW:** 74.5 kDa

**Gene Summary:** This gene is a member of the GRB2-associated binding protein (GAB) gene family. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. The protein encoded by this gene is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2009]