

## Product datasheet for **RC207930L2V**

### BCAR3 (NM\_003567) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	BCAR3 (NM_003567) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BCAR3
Synonyms:	AND-34; MIG7; NSP2; SH2D3B
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003567
ORF Size:	2475 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207930).
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_003567.2</a>
RefSeq Size:	3203 bp
RefSeq ORF:	2478 bp
Locus ID:	8412
UniProt ID:	<a href="#">O75815</a>
Cytogenetics:	1p22.1
Domains:	SH2, RasGEF
Protein Families:	Druggable Genome



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**MW:** 92.6 kDa

**Gene Summary:** Breast tumors are initially dependent on estrogens for growth and progression and can be inhibited by anti-estrogens such as tamoxifen. However, breast cancers progress to become anti-estrogen resistant. Breast cancer anti-estrogen resistance gene 3 was identified in the search for genes involved in the development of estrogen resistance. The gene encodes a component of intracellular signal transduction that causes estrogen-independent proliferation in human breast cancer cells. The protein contains a putative src homology 2 (SH2) domain, a hall mark of cellular tyrosine kinase signaling molecules, and is partly homologous to the cell division cycle protein CDC48. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]