

## Product datasheet for **RC211347L3V**

### **S100G (NM\_004057) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	S100G (NM_004057) Human Tagged ORF Clone Lentiviral Particle
Symbol:	S100G
Synonyms:	CABP; CABP1; CABP9K; CALB3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004057
ORF Size:	237 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211347).
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_004057.2</a>
RefSeq Size:	453 bp
RefSeq ORF:	240 bp
Locus ID:	795
UniProt ID:	<a href="#">P29377</a>
Cytogenetics:	Xp22.2
MW:	9 kDa



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**Gene Summary:**

This gene encodes calbindin D9K, a vitamin D-dependent calcium-binding protein. This cytosolic protein belongs to a family of calcium-binding proteins that includes calmodulin, parvalbumin, troponin C, and S100 protein. In the intestine, the protein is vitamin D-dependent and its expression correlates with calcium transport activity. The protein may increase Ca<sup>2+</sup> absorption by buffering Ca<sup>2+</sup> in the cytoplasm and increase ATP-dependent Ca<sup>2+</sup> transport in duodenal basolateral membrane vesicles. [provided by RefSeq, Jul 2008]