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Product datasheet for RR200323L4V

Epn2 (NM_001033914) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Epn2 (NM_001033914) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Epn2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033914
ORF Size:	1920 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200323).
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. More info
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:	NM_001033914.2, NP_001029086.1
RefSeq Size:	4344 bp
RefSeq ORF:	1923 bp
Locus ID:	60443
Cytogenetics:	10q22

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Gene Summary: The protein encoded by this gene is a member of the epsin protein family. Epsin proteins are endocytic adaptors that function in the formation of clatherin-coated vesicles. Epsins contain a highly conserved N-terminal homology domain that binds phosphatidylinositol 4,5-bisphosphate in the plasma membrane, two or three ubiquitin interacting motifs, two clathrin-binding motifs, a cluster of aspartate-proline-tryptophan/phenylalanine repeats, and two or three asparagine-proline-phenylalanine tripeptide repeats at the C-terminus. In mouse, simultaneous knockout of this gene and its paralog results in embryonic arrest due to disruption of Notch signaling, suggesting a role as a specialized endocytic adaptor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]