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Product datasheet for RC218816L2V

RRBP1 (NM_001042576) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RRBP1 (NM_001042576) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RRBP1
Synonyms:	ES/130; ES130; hES; p180; RRp
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001042576
ORF Size:	2931 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218816).
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_001042576.1, NP_001036041.1
RefSeq Size:	3792 bp
RefSeq ORF:	2934 bp
Locus ID:	6238
UniProt ID:	Q9P2E9
Cytogenetics:	20p12.1
Protein Families:	Druggable Genome, Transmembrane
MW:	108.5 kDa

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Gene Summary: This gene encodes a ribosome-binding protein of the endoplasmic reticulum (ER) membrane. Studies suggest that this gene plays a role in ER proliferation, secretory pathways and secretory cell differentiation, and mediation of ER-microtubule interactions. Alternative splicing has been observed and protein isoforms are characterized by regions of N-terminal decapeptide and C-terminal heptad repeats. Splicing of the tandem repeats results in variations in ribosome-binding affinity and secretory function. The full-length nature of variants which differ in repeat length has not been determined. Pseudogenes of this gene have been identified on chromosomes 3 and 7, and RRBP1 has been excluded as a candidate gene in the cause of Alagille syndrome, the result of a mutation in a nearby gene on chromosome 20p12. [provided by RefSeq, Apr 2012]