

Product datasheet for **RC227139L4V**

VPS37A (NM_001145152) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VPS37A (NM_001145152) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VPS37A
Synonyms:	HCRP1; PQBP2; SPG53
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001145152
ORF Size:	1116 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227139).
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_001145152.1 , NP_001138624.1
RefSeq ORF:	1119 bp
Locus ID:	137492
UniProt ID:	Q8NEZ2
Cytogenetics:	8p22
Protein Pathways:	Endocytosis
MW:	41.3 kDa



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Gene Summary:

This gene belongs to the VPS37 family, and encodes a component of the ESCRT-I (endosomal sorting complex required for transport I) protein complex, required for the sorting of ubiquitinated transmembrane proteins into internal vesicles of multivesicular bodies. Expression of this gene is downregulated in hepatocellular carcinoma, and mutations in this gene are associated with autosomal recessive spastic paraplegia-53. A related pseudogene has been identified on chromosome 5. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2012]