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Product datasheet for RC216747L4V

LRPPRC (NM_133259) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LRPPRC (NM_133259) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LRPPRC
Synonyms:	CLONE-23970; GP130; LRP130; LSFC; MC4DN5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133259
ORF Size:	4182 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216747).
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_133259.2, NP_573566.2
RefSeq Size:	5095 bp
RefSeq ORF:	4185 bp
Locus ID:	10128
UniProt ID:	P42704
Cytogenetics:	2p21
Domains:	PPR
MW:	157.7 kDa

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Gene Summary: This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome. [provided by RefSeq, Mar 2012]