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Product datasheet for RC223242L4V

PPEF1 (NM_152226) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PPEF1 (NM_152226) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPEF1
Synonyms:	PP7; PPEF; PPP7C; PPP7CA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152226
ORF Size:	1773 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC223242).`
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_152226.1, NP_689412.1
RefSeq Size:	2687 bp
RefSeq ORF:	1776 bp
Locus ID:	5475
UniProt ID:	O14829
Cytogenetics:	Xp22.13
Domains:	IQ, EFh, Metallophos
Protein Families:	Druggable Genome, Phosphatase

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MW: 68.6 kDa

Gene Summary: This gene encodes a member of the serine/threonine protein phosphatase with EF-hand motif family. The protein contains a protein phosphatase catalytic domain, and at least two EF-hand calcium-binding motifs in its C terminus. Although its substrate(s) is unknown, the encoded protein has been suggested to play a role in specific sensory neuron function and/or development. This gene shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) gene. Several alternatively spliced transcript variants, each encoding a distinct isoform, have been described. [provided by RefSeq, Jul 2008]