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Product datasheet for RC231335L4V

FMRP (FMR1) (NM_001185076) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FMRP (FMR1) (NM_001185076) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FMR1
Synonyms:	FMRP; FRAXA; POF; POF1; POFX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001185076
ORF Size:	1833 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231335).
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_001185076.1, NP_001172005.1
RefSeq Size:	4348 bp
RefSeq ORF:	1836 bp
Locus ID:	2332
UniProt ID:	Q06787
Cytogenetics:	Xq27.3
Protein Families:	Druggable Genome
MW:	69 kDa

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Gene Summary: The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene. [provided by RefSeq, May 2010]