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Product datasheet for RC216275L2V

POT1 (NM_015450) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POT1 (NM_015450) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POT1
Synonyms:	CMM10; GLM9; HPOT1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_015450
ORF Size:	1902 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216275).
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_015450.1, NP_056265.1
RefSeq Size:	2631 bp
RefSeq ORF:	1905 bp
Locus ID:	25913
UniProt ID:	Q9NUX5
Cytogenetics:	7q31.33
MW:	71.3 kDa

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Gene Summary: This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]