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Product datasheet for RC219177L1V

KTEL1 (POGLUT1) (NM_020231) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KTEL1 (POGLUT1) (NM_020231) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KTEL1
Synonyms:	CLP46, MDSRP, C3orf9, MDS010, hCLP46, KDELCL1, MGC32995
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_020231
ORF Size:	1176 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC219177).`
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_020231.3, NP_064616.2
RefSeq Size:	1973 bp
RefSeq ORF:	1178 bp
Locus ID:	56983
Cytogenetics:	3q13.33
Domains:	CAP10
MW:	46 kDa

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Gene Summary: This gene encodes a protein with both O-glucosyltransferase and O-xylosyltransferase activity which localizes to the lumen of the endoplasmic reticulum. This protein has a carboxy-terminal KTEL motif which is predicted to function as an endoplasmic reticulum retention signal. This gene is an essential regulator of Notch signalling and likely plays a role in cell fate and tissue formation during development. It may also play a role in the pathogenesis of leukemia. Mutations in this gene have been associated with the autosomal dominant genodermatosis Dowling-Degos disease 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]