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Product datasheet for RC206171L4V

KDELC2 (POGLUT3) (NM_153705) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KDELC2 (POGLUT3) (NM_153705) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POGLUT3
Synonyms:	KDELC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153705
ORF Size:	1521 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206171).
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_153705.2
RefSeq Size:	4311 bp
RefSeq ORF:	1524 bp
Locus ID:	143888
UniProt ID:	Q7Z4H8
Cytogenetics:	11q22.3
Domains:	CAP10
MW:	58.5 kDa

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Gene Summary: Protein glucosyltransferase that catalyzes the transfer of glucose from UDP-glucose to a serine residue within the consensus sequence peptide C-X-N-T-X-G-S-F-X-C (PubMed:30127001). Can also catalyze the transfer of xylose from UDP-xylose but less efficiently (PubMed:30127001). Specifically targets extracellular EGF repeats of proteins such as NOTCH1 and NOTCH3 (PubMed:30127001). May regulate the transport of NOTCH1 and NOTCH3 to the plasma membrane and thereby the Notch signaling pathway (PubMed:30127001).[UniProtKB/Swiss-Prot Function]