

Product datasheet for **RC227186L3V**

KCTD1 (NM_001142730) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCTD1 (NM_001142730) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCTD1
Synonyms:	C18orf5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001142730
ORF Size:	2595 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227186).
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_001142730.2
RefSeq Size:	3438 bp
RefSeq ORF:	2598 bp
Locus ID:	284252
UniProt ID:	Q719H9
Cytogenetics:	18q11.2
Protein Families:	Ion Channels: Other
MW:	96.4 kDa



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Gene Summary:

This gene encodes a protein containing a BTB (Broad-complex, tramtrack and bric a brac), also known as a POZ (POxvirus and zinc finger) protein-protein interaction domain. The encoded protein negatively regulates the AP-2 family of transcription factors and the Wnt signaling pathway. A mechanism for the modulation of Wnt signaling has been proposed in which the encoded protein enhances ubiquitination and degradation of the beta-catenin protein. Mutations in this gene have been identified in Scalp-ear-nipple (SEN) syndrome. [provided by RefSeq, May 2017]