

## Product datasheet for **MR204825L4V**

### **Kctd13 (NM\_172747) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Kctd13 (NM_172747) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kctd13
Synonyms:	1500003N18Rik; AV259508; Pdip1; PDIP1alpha; Poldip1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172747
ORF Size:	987 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204825).
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. <a href="#">More info</a>
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:	<a href="#">NM_172747.2</a> , <a href="#">NP_766335.1</a>
RefSeq Size:	1654 bp
RefSeq ORF:	990 bp
Locus ID:	233877
UniProt ID:	<a href="#">Q8BGV7</a>
Cytogenetics:	7 F3



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**Gene Summary:**

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission (PubMed:29088697). The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and promoting synaptic transmission (PubMed:29088697).[UniProtKB/Swiss-Prot Function]