

# Product datasheet for RR208526L3

## Kctd5 (NM\_001105768) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Kctd5 (NM_001105768) Rat Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208526).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I         ORF         Mlu I            GCG ATC GC         ATG // NNN         ACG CGT

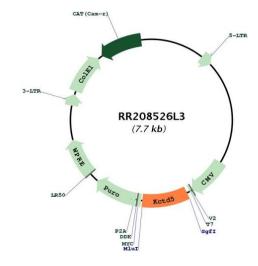
501	0 mm (1 /	885	Kozak Consensus	
EcoR I	BamHI	RBS	Sgfl	ORF
CTATAGGGCGGCCGGGAATTCGTC	GACTGGATCCGGTA	ACCGAGGAGATCTGC	CGCCGCGATCGC C ATG	
	Miu I	Notl_Xhol	Myc.Tag	
NNÑ				A GAA GAG
	TRT	R P L <u>E</u>	QKLIS	E E
DDK.Tag				
GAT CTG GCA GCA AAT GAT ATC C				
<u> </u>	LDYK	DDDK	_ v	

\* The last codon before the Stop codon of the ORF.



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#### Plasmid Map:



ACCN:	NM_001105768
ORF Size:	702 bp
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
RefSeq:	<u>NM 001105768.1, NP 001099238.1</u>
RefSeq Size:	2473 bp

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	Kctd5 (NM_001105768) Rat Tagged Lenti ORF Clone – RR208526L3
RefSeq ORF:	705 bp
Locus ID:	287109
UniProt ID:	B5DEL1
Cytogenetics:	10q12
Gene Summary:	Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex (By similarity). Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4 (By similarity).[UniProtKB/Swiss-Prot Function]

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