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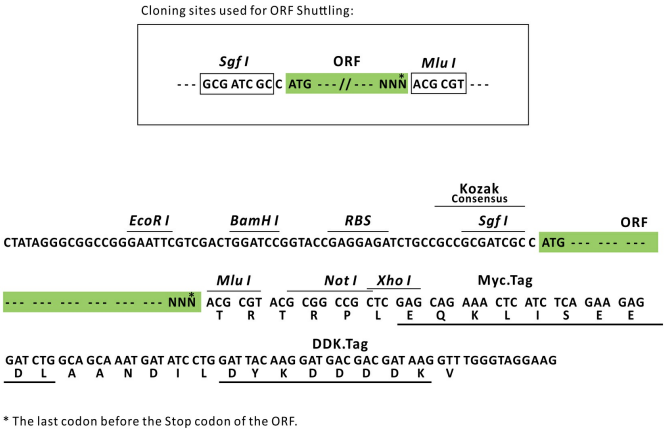
Product datasheet for MR219855L3

Kcnt1 (NM_001145403) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnt1 (NM_001145403) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnt1
Synonyms:	C030030G16Rik; s; Sl; Slack; slo2; Slo2.2
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(MR219855).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



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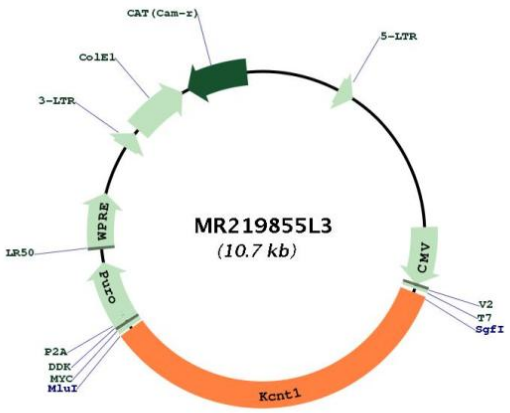
Plasmid Map:



ACCN:	NM_001145403
ORF Size:	3654 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. 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.
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:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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.
RefSeq:	NM_001145403.1
RefSeq Size:	3771 bp
RefSeq ORF:	3657 bp

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Locus ID:	227632
Cytogenetics:	2 A3
Gene Summary:	This gene encodes a member of the Slo potassium channel family that has shown to be activated by both sodium and chloride ions. This channel represents the largest potassium channel subunit yet identified. This channel may be important in development and pain signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

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