

Product datasheet for **SC318525**

KCNU1 (NM_001031836) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNU1 (NM_001031836) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNU1
Synonyms:	KCa5; KCa5.1; Kcnma3; KCNMC1; Slo3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318525 representing NM_001031836. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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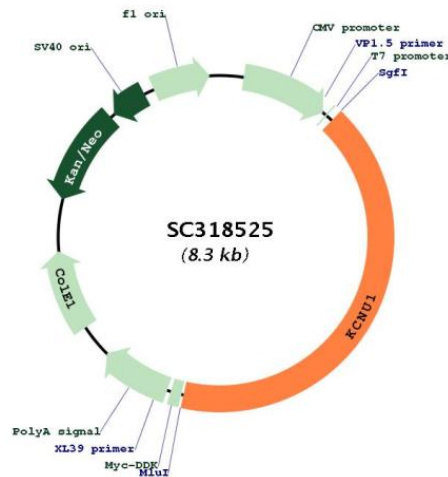
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:	NM_001031836
Insert Size:	3450 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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 style="list-style-type: none"> 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:	<u>NM_001031836.2</u>
RefSeq Size:	3756 bp
RefSeq ORF:	3450 bp
Locus ID:	157855
UniProt ID:	<u>A8MYU2</u>
Cytogenetics:	8p11.23
Protein Families:	Ion Channels: Potassium
MW:	129.5 kDa
Gene Summary:	This gene encodes a member of the potassium channel family of proteins. The encoded voltage-gated ion channel allows the outward flow of potassium ions during plasma membrane hyperpolarization in sperm. Opening of this channel may be regulated by calcium ion levels. Homozygous knockout mice that lack the related mouse gene exhibit male sterility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (1) represents the shorter transcript and encodes the protein.