

Product datasheet for **SC301497**

SRD5A2L2 (TECRL) (NM_001010874) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRD5A2L2 (TECRL) (NM_001010874) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRD5A2L2
Synonyms:	CPVT3; GPSN2L; SRD5A2L2; TERL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301497 representing NM_001010874. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGTTCAAAGGCACAAAGTCCCTCGCTTCGGAACGCAAGAGAGCATTACTTTCCAAAGAGCTACACGG
 TTCATACTGAAGGATGATATGAGAAATTTTCACTTTTGTCAAACCTTGACTCTCAGCGGGCCCTCTA
 AGACCAACTCCAGCAGTCAAACATTCAAAAACGACTCACTTTGAGATTGAAATATTTGATGCTCAAACA
 AGGAAACAGATATGTATTCTGGATAAGGTGACACAATCATCTACTATTCATGATGTTAAGCAAAAGTTT
 CACAAAGCATGTCAAAGTGGTACCCTTCTCGAGTTGGTCTGCAGCTAGAATGTGGCGGGCCTTTTTTG
 AAGGACTACATTACCATTCAAAGTATTGCAGCTTCCTCCATTGTCACACTGTATGCTACAGACCTAGGT
 CAACAAGTCAGTTGGACCACAGTGTCTTGGCTGAATACACAGGACCTCTGCTAATATACCTCCTCTTT
 TATTTGAGGATCCCATGTATATATGATGAAAAAGAGAGTGCTAGAAGATTACGCCACCCAGTGGTACAC
 TTGGCTTGCTTCTGTCTTGTATACACTACATCCGATACCTTTTGGAAACCTTATTTGTTCAAAAGTT
 TCTGCAGGACACACACCTTTGAAAAATTTGATAATGAGTTGTGCCTTTTACTGGGGATTTACTTCTTGG
 ATTGCCTACTACATTAATCATCCACTATATACACCACCATCATTTGGAACAGGCAAAATCACAGTATCT
 GCTATCAATTTTCTGATTTGTGAAGCTGGGAATCATTTTCAATGTAATGTTGTCTCATCCCAATCAC
 ACAGGAAACAATGCCTGTTTCCCAAGTCAAATTATAACCCCTTCACATGGATGTTTTCTCGTTTCA
 TGTCCCTAACTACACCTATGAGATTGGATCATGGATTAGTTTACAGTCATGACACAAACACTGCCAGTT
 GGAATTTTACACTTCTGATGAGTATCCAGATGTCTTTGTGGGCACAAAAGAAACATAAGATTTATCTG
 AGAAAAATTCATATATTATAGAAAAATCAGCAATGATTCCATTCATATTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001010874


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Insert Size:	1092 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:	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_001010874.4</u>
RefSeq Size:	2843 bp
RefSeq ORF:	1092 bp
Locus ID:	253017
UniProt ID:	<u>Q5HYJ1</u>
Cytogenetics:	4q13.1
Protein Families:	Transmembrane
MW:	42 kDa
Gene Summary:	The protein encoded by this gene contains a ubiquitin-like domain in the N-terminal region, three transmembrane segments and a C-terminal 3-oxo-5-alpha steroid 4-dehydrogenase domain. The protein belongs to the steroid 5-alpha reductase family. Mutations in this gene result in ventricular tachycardia, catecholaminergic polymorphic, 3. [provided by RefSeq, Apr 2017] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).