

Product datasheet for **SC322370**

KCNS3 (NM_002252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNS3 (NM_002252) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNS3
Synonyms:	KV9.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for SC322370
 CCCACGCGTCCGCGGGCCACCCCGCTCTCCTCGCCGCGCGGGCAGGCAGCGGGGCCCGC
 GCCGCGAGGCCTGATCCCTGCAGCGCGGGCAGGCAGCGCTCGCAGAGCGGAGCTAGCTGGA
 TGCGTCCGGACTCCTGCAGGTGAGAGTGATTTTCCAGTGATTGCTTTGGCCTGTACAACC
 AGAGAACAGGATTCTTCCCTTCTTTTGGCCACCAATGCCTATGTGCACCACACATTCC
 AGTGTGCTGAGAAGGGCAGAGCTTCTTGGATGATGATGGACGTCCACCCGGGCAGGATGA
 AGGCAGAGCGTGTGGCATCTCCACCTCAAGGGTGCAGCCTGATCTTCTTCTCCCTTG
 CCAGCCAGCACTCTGCCTTCTGTATCCACCATGGTGTGGTGGTGGTGGTGGTGGTGGTGGT
 GGACAAGACGAGGAACCTGTCAACCTGAATGTGGGGGGCTTTAAGCAGTATGTTGACCAA
 AGCACCTCCTGCGGTTTCTCACACCAGACTGGGGAAGCTGCTTACTTGCATTCTGAA
 GAGGCCATTCTGGAGCTGTGTGATGATTACAGTGTGGCCGATAAGGAATACTACTTTGAT
 CGGAATCCCTCCTTGTTCAGATATGTTTTGAATTTTATTACACGGGGAAGCTGCATGTC
 ATGGAGGAGCTGTGCGTATTCTCATTCTGCCAGGAGATCGAGTACTGGGCATCAACGAG
 CTCTTCATTGATTCTTGTGTCAGCAATCGCTACCAGGAACGCAAGGAGGAAAACCAGAG
 AAGGACTGGGACCAGAAAAGCCATGATGTGAGTACCGACTCCTCGTTTGAAGAGTCGTCT
 CTGTTTGAAGAGCTGGAGAAGTTTGACACACTGCGATTTGGTCAGCTCCGGAAGAAA
 ATCTGGATTAGAATGGAGAATCCAGCGTACTGCCTGTCCGCTAAGCTTATCGCTATCTCC
 TCCTTGAGCGTGGTGTGGCCTCCATCGTGGCCATGTGCGTTACAGCATGTCCGAGTTC
 CAGAATGAGGATGGAGAAGTGGATGATCCGGTGTGGAAGGAGTGGAGATCGCGTGCATT
 GCCTGGTTCACCGGGGAGCTTGGCGTCCGGTGGCTGCCGCTCCTTGTCAAAAAGAAATTC
 TGGAAAAACCTCTGAACATCATTGACTTTGTCTCTATTATCCCTTCTATGCCACGTTG
 GCTGTAGACACCAAGGAGGAAGAGAGTGGAGATATTGAGAATGGGCAAGGTGGTCCAG
 ATCCTACGGCTTATGAGGATTTCCGAATTCTAAAGCTTGCCCGGCACTCGGTAGGACTT
 CGGTCTCTAGGTGCCACACTGAGACACAGCTACCATGAAGTTGGGCTTCTGCTTCTTTC
 CTCTCTGTGGGCATTTCCATTTTCTCTGTGCTTATCTACTCCGTGGAGAAAGATGACCAC
 ACATCCAGCTCACAGCATCCCCATCTGCTGGTGGTGGGCCACCATCAGCATGACAACCT
 GTGGGCTATGGAGACACCCACCCGGTACCTTGGCGGAAAGCTCATCGCCAGCACATGC
 ATCATCTGTGGCATCTTGGTGGTGGCCCTTCCCATCACCATCATCTTCAACAAGTTTTCC
 AAATACTACCAGAAGCAAAAGGACATTGATGTGGACCAGTGCAGTGAGGATGCACCAGAG
 AAGTGTCATGAGTACCTTACTTTAACATTAGGGATATATATGCACAGCGGATGCACGCC
 TTCATTACCAGTCTCTTCTGTAGGCATTGTGGTGGGATCCTGACTCCACAGATGCT
 TCAAGCATTGAAGACAATGAGGACATTTGTAACACCACCTCCTTGAGAAATTGCACAGCA
 AAATGAGCGGGGGTGTGGTGCCTGTTTCTTATCCTTTCCCGACATTAGGTTAACACA
 GCTTTATAAACCTCAGTGGGTTTCGTTAAAATCATTAAATTCTCAGGGTGTACCTTTACGC
 CATAGTTGGACATTCATTGCTGAATTCTGAAATGATAGAATTGTCTTTATTTTTCTGT
 GAGGTCAATTAATGCCTTGTCTGAAATTTATTTTTACAAGAGAGAGTTGTGATATAG
 TTTGGAATATAAGATAAATGGTATTGGGTGGGTTTGTGGCTACAGCTTATGCATCATTC
 TGTGTTTGTCACTTACTCACATTGAGCTAACTTTAAATTAAGTACAAGTAGAATCAAAGG
 TGCAGCTGACTGAGACGACATGCATGTAAGATCCACAAAATGAGACAATGCATGTAATC
 CATGCTCATGTTCTAAACATGGAACCTAGGAGCCTAATAAACTTCTAATTCAGTATGGA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002252

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:	NM_002252.3 , NP_002243.3
RefSeq Size:	2344 bp
RefSeq ORF:	1476 bp
Locus ID:	3790
UniProt ID:	Q9BQ31
Cytogenetics:	2p24.2
Domains:	BTB, K_tetra, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
Gene Summary:	<p>Voltage-gated potassium channels form the largest and most diversified class of ion channels and are present in both excitable and nonexcitable cells. Their main functions are associated with the regulation of the resting membrane potential and the control of the shape and frequency of action potentials. The alpha subunits are of 2 types: those that are functional by themselves and those that are electrically silent but capable of modulating the activity of specific functional alpha subunits. The protein encoded by this gene is not functional by itself but can form heteromultimers with member 1 and with member 2 (and possibly other members) of the Shab-related subfamily of potassium voltage-gated channel proteins. This gene belongs to the S subfamily of the potassium channel family. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same protein.</p>