

Product datasheet for SC310435

KCNAB3 (NM_004732) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNAB3 (NM_004732) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNAB3
Synonyms:	AKR6A9; KCNA3.1B; KCNA3B; KV-BETA-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310435 representing NM_004732. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGTGTCTATCGCGTGTACCGAGCAGAACCTTCGCAGCCGGAGCAGTGAGGACCGTCTGTGTGGA
CCCCGGCCGGGCCCGGGGGCGGTAATGGTGGCCGGCCGGGGGGCACGGGAATCCTCCGGGGGT
GGAGGGTCTGGCCCAAGGCCGAGCTGCACTGGTTCCCCGACCCCGAGCCCGCTGGGGCCCTCCGA
GAGAGCACCAGCCGAGGCACTGGCATGAAATACAGGAACCTAGGGAAGTCTGGTCTTCGGGTATCCTGT
CTTGGCCTAGGTACCTGGGTACATTTGGTTCTCAGATCTCAGATGAGACAGCAGAGGATGTGCTGACT
GTAGCCTATGAGCATGGTGTAAACCTGTTTACACCGCCGAAGTGTACGCAGCAGGAAAGGCTGAAAGA
ACCCTAGGGAACATCCTCAAGAGCAAAGTTGGAGGAGATCAAGCTATGTCATCACTACCAAGATTTTT
TGGGGAGGACAGGCAGAAACCGAGCGAGGTTTAAAGCCGAAAGCACATCATTGAGGGCTTGCAGGATCC
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GAGGAGATTGTGCGAGCCATGACCTATGTCATCAACCAGGGCCTGGCCCTATACTGGGGGACATCCCGA
TGGGGGGCTGCAGAAATCATGGAGGCTACTCCATGGCCAGACAGTTCATCTGATTCTCCAGTGTGT
GAACAAGCGGAGCACCATCTGTTTCAGAGGGAGAAGGTGGAGATGCAGCTGCCAGAGCTCTACCACAAG
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GTCCCAGATACTTGACGGCCCTCATCAAGGGCTACCAGTGGCTCAAGGACAAAGTGCAGAGTGAAGAT
GGCAAGAAGCAACAAGCAAAGTCAAGGACCTTCTTCTGTGCTCAGCAGCTGGGCTGCACCGTGGCC
CAGCTTGTATTGCGTGGTGTCTCCGAGTGAGGGTGTGAGCTCTGTCTTGTGGGGGTGTCGAGTGCG
GAGCAGTTGATAGAACACCTGGGCGGCTACAGGTGCTGAGCCAGCTGACCCCGCAGACAGTGTGGAA
ATAGACGGGCTCCTGGGAAACAAGCCGATTCCAAGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:	□
ACCN:	NM_004732
Insert Size:	1215 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:	NM_004732.3
RefSeq Size:	2458 bp
RefSeq ORF:	1215 bp
Locus ID:	9196
UniProt ID:	O43448
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	43.7 kDa
Gene Summary:	This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. The encoded protein is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. The encoded protein forms a heterodimer with the potassium voltage-gated channel, shaker-related subfamily, member 5 gene product and regulates the activity of the alpha subunit. [provided by RefSeq, May 2012]