

Product datasheet for **SC305640**

KCNK7 (NM_033455) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK7 (NM_033455) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK7
Synonyms:	K2p7.1; TWIK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305640 representing NM_033455. Blue=Insert sequence Red=Cloning site Green=Tag(s)

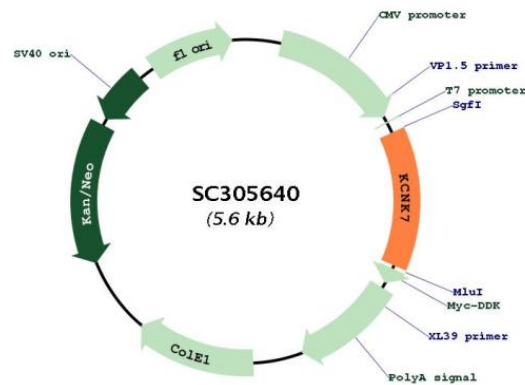
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGGGGGTCTAAGGCCCTGGTCCCGATACGGGCTCTGGTTGTGGCCCACTTGCTGGCCCTGGGGCTT
GGGGCTGTGGTGTCCAGGCCCTGGAGGGGCTCCTGCATGCAGGCTTCAGGCTGAGCTCAGGGCAGAG
CTGGCAGCCTTCCAGGCAGAGCATAGGGCCTGCCTGCCACCCGGAGCTCTGGAAGAGCTGCTGGCACT
GCCCTGGCACCAGGCCATGGGGTCTCCACCCTGGGCAACAGCTCAGAGGGCAGGACCTGGGACCTT
CCCTCAGCCCTGCTCTTCGCTGCCAGCATCCTCACCACCAGGTTATGGCCACATGGCCCACTATCG
CCAGGGCGAAAGGCCTTCTGCATGGTCTATGCAGCCCTGGGGCTGCCAGCCTCCTTAGCTCTCGTGGCC
ACCCTGCGCCATTGCCTGCTGCCTGTGCTCAGCCGCCACGTGCCTGGGTAGCGGTCCACTGGCAGCTG
TCACCGGCCAGGGCTGCGCTGCTGCAGGCACTTGCAGTGGGACTGCTGGTGGCCAGCAGCTTTGTGCTG
CTGCCAGCGCTGGTGTGGGGCCTTCAAGGGGACTGCAGCCTGCTGGGGGCGCTACTTCTGCTTC
AGCTCGCTCAGCACCATTTGGCCTGGAGGACTTGTGCCCGGCCGCGGCCGAGCCTGCACCCCGTGATT
TACCACCTGGGCCAGCTCGCACTTCTTGGTGGAGGGACCTCACTCCAGGGCACGGCGTGGGAGGGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_033455

Insert Size: 759 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: [NM_033455.1](#)

RefSeq Size: 1485 bp

RefSeq ORF:	759 bp
Locus ID:	10089
UniProt ID:	Q9Y2U2
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	26.2 kDa
Gene Summary:	<p>This gene encodes a member of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel; however, it may require other non-pore-forming proteins for activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (D) has an alternate splice site in the 3' region, compared to variant A. The resulting isoform (B) is shorter and has a distinct C-terminus, compared to isoform A. Both variants B and D encode the same isoform (B).</p>