

Product datasheet for **RG210865**

KCNK15 (NM_022358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK15 (NM_022358) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCNK15
Synonyms:	dj781B1.1; K2p15.1; KCNK11; KCNK14; KT3.3; TASK-5; TASK5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210865 representing NM_022358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATCGGAGGCCGAGCGTGCAGCGCGGGCTGGTCTGTGCACCCTGTGTTACCTGCTGGTGGCGCTG
CTGTCTTCGACGCGCTCGAGTCCGAGGCGAAAGCGGCCAGCGACTGCTGGTCCAGAAGCGGGCGC
TCTCCGGAGGAAGTTCGGCTTCTCGGCCGAGGACTACCGCGAGCTGGAGCGCCTGGCGCTCCAGGCTGAG
CCCCACCGCGCCGCGCCAGTGAAGTCCCCGGCTCCTTCTACTTCGCCATCACCGTCATCACTACCA
TCGAGTACGGCCACGCCGCGCCGGTACGACTCCGGCAAGGTCTTCTGCATGTTCTACGGCTCCTGGG
CATCCCGCTGACGCTGGTCACTTCCAGAGCCTGGGCGAACGGCTGAACGCGGTGGTGGCGCCCTCCTG
TTGGCGGCAAGTGTGCCTGGGCTGCGGTGGACGTGCGTGTCCACGGAGAACCCTGGTGGTGGCCGGG
TGCTGGCGTGTGCCGCCACCCTGGCCCTCGGGGCGTGCCTTCTCGCACTTCGAGGGCTGGACCTTCTT
CCACGCCACTACTACTGCTTCAACCCTCACCACCATCGGCTTCGGCGACTTCGTGGCACTGCAGAGC
GGCGAGGCGTGCAGAGGAAGCTCCCCTACGTGGCCTTACAGTTCCTCTACATCCTCCTGGGGCTCACGG
TCATTGGCGCCTCCTCAACCTGGTGGTCTGCGCTTCTCGTTGCCAGCGCCGACTGGCCCGAGCGCGC
TGCCCGCACCCCCAGCCCGCCCCCGGGGGCGCCGAGAGCCGTGGCTGCCCCGCCGACAACC
GCCCGCTCCGTGGGCTCCGCCTGTCTTCTGCCACGTGCACAAGCTGGAGAGGTGGCCCGCGACAACC
TGGGCTTTTCGCCCCCTCGAGCCCGGGGTGTCGCTGGCGGGCAGGCTCCAGGCTTGGGCGCCGGT
GAAGTCCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210865 representing NM_022358
 Red=Cloning site Green=Tags(s)

MRRPSVRAAGLVLCTLCYLLVGAAVFDALESEAESGRQRLLVQKRGALRRKFGFSAEDYRELERLALQAE
 PHRAGRQWKFPGSFYFAITVITTTIEYGHAAAGTDSGKVF CMFYALLGIPLTLVTFQSLGERLNAVVRLL
 LAAKCLGLRWTCVSTENLVVAGLLACAATLALGAVAFSHFEGWTFHAYYYCFITLTTIGFGDFVALQS
 GEALQRKLPYVAFSFLYILLGLTVIGAFNLVLRFLVASADWP ERAARTPSRPPGAPESRGLWLP RRP
 ARSVGSASVFCVHVKLERCARDNLGFSPPSSPGVVRGGQAPRLGARWKSI

TRTRPLE - GFP Tag - V

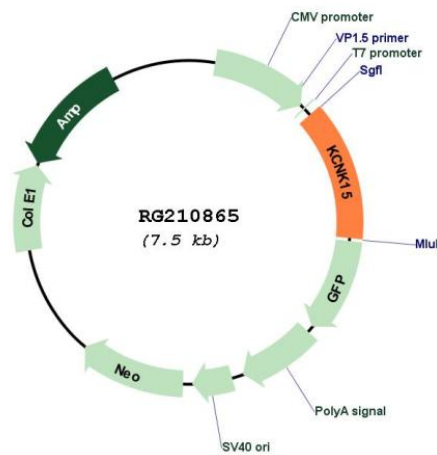
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_022358

ORF Size: 990 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_022358.4
RefSeq Size:	1286 bp
RefSeq ORF:	993 bp
Locus ID:	60598
UniProt ID:	Q9H427
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
Gene Summary:	This gene encodes one of the members 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. [provided by RefSeq, Jul 2008]