

Product datasheet for **RG207353**

KCND1 (NM_004979) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCND1 (NM_004979) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCND1
Synonyms:	KV4.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207353 representing NM_004979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGGCCTGGCCACGTGGCTGCCTTTTGTCTGGGCAGCAGCAGTGGGCTGGCTGCCCTGGCCC
 AGCAACCCTGCCCGGCACCGGGGTGAAGGCATCTCGAGGAGATGAGTTCTGGTGGTGAACGTGAG
 CGGACGGCGCTTTGAGACTTGAAGAATACGCTGGACCGCTACCCAGACACCTTGTGGGACGCTCGGAG
 AAGGAATCTTCTACGATGCTGACTCAGGCGAGTACTTCTTCGATCGCGACCTGACATGTTCCGCCATG
 TGCTGAACTTCTACCGAACGGGGCGGCTGCATTGCCACGGCAGGAGTGCATCCAGGCCTTCGACGAAGA
 GCTGGCTTTCTACGGCCTGGTCCCGAGCTAGTCGGTACTGCTGCCTTGAAGAGTATCGGGACCGAAAAG
 AAGGAGAATGCCGAGCGCTGGCAGAGGATGAGGAGGCAGAGCAGGCCGGGGACGCCACGCCCTGCCAG
 CAGGCAGCTCCCTGCGGCAGCGGCTCTGGCGGGCCTTCGAGAATCCACACAGGACCGCAGCCCTCGT
 TTTCTACTATGTGACCGGCTTCTCATCGCCGTGTCGGTTCATCGCAATGTGGTGGAGACCATCCCATGC
 CGCGGCTCTGCACGCAGTCTCAAGGGAGCAGCCCTGTGGCGAACGCTTCCACAGGCCTTTTTCTGCA
 TGGACACAGCCTGTGACTCATATTCACAGGTGAATACCTCCTGCGGCTGTTTGGCGCCCCAGCCGTTG
 CCGCTTCTCGGAGTGTGATGAGCCTCATCGACGTGGTGGCCATCCTGCCCTACTACATTGGGCTTTTG
 GTGCCAAGAACGACGATGTCTCTGGCGCCTTGTACCCCTGCGTGTGTTCCGGGTGTTTCGCATCTTCA
 AGTTCTCCAGGCACTCACAGGGCTTGGAGATTCTGGGCTACACACTCAAGAGCTGTGCCTCTGAGCTGGG
 CTTTCTCCTCTTTTCCCTAACCATGGCCATCATCATCTTGGCACTGTGATGTTTATGCTGAGAAGGGC
 ACAAAACAGCAACTTTACAAGCATCCCTGCGGCCTTCTGGTATACCATTGTACCATTGACCACGCTTG
 GCTACGGAGACATGGTGGCCAGCACCATTGCTGGCAAGATTTTGGGTCCATCTGCTCAGTAGGCGCT
 CTTGGTATTGCGCTGCCTGTGCCAGTCAATTGTGTCCAACCTTAGCCGCATCTACCACCAGAACCAGCGG
 GCTGACAAGCGCCGAGCAGCAGAGAAGGTGCGCTTGGCAAGGATCCGATTGGCAAAGAGTGTACCACCA
 ATGCCCTTCTGCAGTACAAGCAGAATGGGGCCTTGGAGCAGCGGCAGTGGCGAGGAACAGGCTCTTTG
 TGTGAGGAACCGTTCTGCCTTTGAACAGCAACATCACCACTTGTGCACTGTCTAGAGAAGACAACGTGC
 CATGAGTTCACAGATGAGCTCACCTTCAAGTGAAGCCCTGGGAGCCGTCTCGCCGGGTGGCCGACCAGCC
 GTAGCACCTCTGTGCTTCCAGCCAGTGGACCCGGAAGCCTGCTGTCTTCTTGTGCCCTCGCAGGGC
 CAAGCGCCGCGCCATCCGCTTGGCAACTCCACTGCCTCAGTCAGCCGTGGCAGCATGCAGGAGCTGGAC
 ATGCTGGCAGGGCTGCGCAGGAGCCATGCCCTCAGAGCCGCTCCAGCCTCAATGCCAAGCCCCATGACA
 GCCTTGACCTGAACTGCGACAGCCGGGACTTCGTGGCTGCCATTATCAGCATCCCTACCCCTCTGCCAA
 CACCCAGATGAGAGCCAACTTCTCCCTGGCGGCGGTGGCAGGGCCGGCAGCACCCCTCAGGAACTCC
 AGCCTGGTACCCTTGCTCTTCCCGAGACTGTCAAGATCTCATCCCTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207353 representing NM_004979
 Red=Cloning site Green=Tags(s)

MAAGLATWLPFARAAAVGWLPLAQQLPPAPGVKASRGDEVLVVNVSGRRFETWKNTLDRYPDTLLGSSE
 KEFFYDADSGEYFFDRDPDMFRHVLNFYRTGRLHCPRQECIQAFDEELAFYGLVPELVGDCCLLEEYRDRK
 KENAERLAEDDEAEQAGDGPALPAGSSLRQLWRAFENPHTSTAALVFYVYVTFGFFIAVSVIANVVETIPC
 RGSARRSSREQPCGERFPQAFFCMDTACVLIFTGEYLLRLFAAPSRCRFLRSVMSLIDVVAIIPYYIGLL
 VPKNDDVSGAFVTLRVFRVFRIFKFSRHSQGLRILGYTLKSCASELGFLFLSLTMAIIIFATVMFYAEKG
 TNKTNFTSIPAAFYITVMTTLGYGDMVPSTIAGKIFGSICSLSGVLVIALPVPVIVSNFSRIYHQNR
 ADKRRARQQVRLARIRLAKSGTTNAFLQYKQNGLEDGSGGEEQALCVRNRSAFEQHHHLLHCLEKTTT
 HEFTDELTFSEALGAVSPGGRTSRSTS SVSSQPVGPGSLLSSCCPRRAKRRAIRLANSTASVSRGSMQELD
 MLAGLRRSHAPQRSSSLNAKPHDSLNLNCDSDRFVAAIISIPTPPANTPDESQPSPPGGGRAGSTLRNS
 SLGTPCLFPETVKISSL

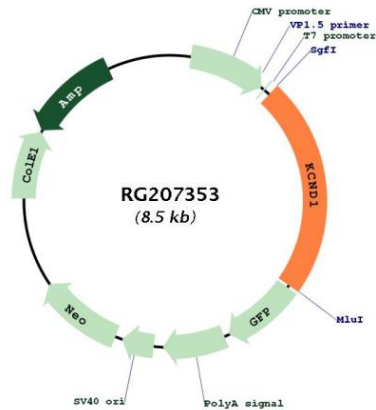
TRTRPLE – GFP Tag – V

Cytogenetics: Xp11.23

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Gene Summary: This gene encodes a multipass membrane protein that comprises the pore subunit of the voltage-gated A-type potassium channel, which functions in the repolarization of membrane action potentials. Activity of voltage-gated potassium channels is important in a number of physiological processes, among them the regulation of neurotransmitter release, heart rate, insulin secretion, and smooth muscle contraction. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG207353