

Product datasheet for **RC234578**

Kv3.2 (KCNC2) (NM_001260497) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kv3.2 (KCNC2) (NM_001260497) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kv3.2
Synonyms:	KV3.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234578 representing NM_001260497
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAAGATCGAGAACAACGAGAGGGTGATCCTCAATGTCGGGGGCACCCGGCACGAAACCTACCGCA
 GCACCCTCAAGACCCCTGCCTGGAACACGCCTGGCCCTTCTTGCCTCCTCGAGCCCCAGGGGACTGCTT
 GACCACGGCGGGCGACAAGCTGCAGCCGTCGCCGCTCCACTGTCGCCGCGCCGAGAGCGCCCCGCTG
 TCCCCGGGCCAGGGCGCTGCTTCGAGGGCGCGCGGCAACTGCAGTCCCGCGCGGCAGGGCCAGCG
 ACCATCCCGTGGCGCCGCGAGTTCTTCTCGACCGGCACCCGGGCGTCTTCGCTATGTGCTCAATTA
 CTACCGCACCGGCAAGCTGCACTGCCCCGAGACGTGTGCGGGCCGCTCTTCGAGGAGGAGCTGGCTTC
 TGGGGCATCGACGAGACCGACGTGGAGCCCTGCTGCTGGATGACCTACCGGCAGCACCGCGACGCCGAGG
 AGGCGCTGGACATCTTCGAGACCCCGACCTATTGGCGGCGACCCGGCGACGACGAGGACCTGGCGGC
 CAAGAGGCTGGGCATCGAGGACGCGCGGGGCTCGGGGGCCCCGACGGCAAATCTGGCCGCTGGAGGAGG
 CTGCAGCCCCGCATGTGGGCCCTCTCGAAGACCCTACTCGTCCAGAGCCGCCAGGTTTATTGCTTTTG
 CTCTTTATTCTTCATCCTGGTTTCAATTAACAATTTTTGCCTGGAAACACATGAAGCTTCAATATTGT
 TAAAAACAAGACAGAACCAGTCAATGGCACAAAGTGTGTCTACAGTATGAAATTGAAACGGATCCT
 GCCTTGACGTATGTAGAAGGAGTGTGTGGTGTGGTTACTTTTGAATTTTAGTCCGTATTGTTTTT
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 AGGTTTGTGAGGATCCTGAGAATTTTCAAGCTCACCCGCCATTTGTAGGTCTGAGGGTGGTGGACATA
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 GCCAGTGCCTGCTATTGTCAATAATTTTGAATGTACTACTCCTTGGCAATGGCAAAGCAGAAAATTCCA
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 ATATGGCCTGCAATAGTACACAGAGTACACATGTCTGGGCAAAGACAATCGACTTCTGGAACATAACAG
 ATCAGTGTATCAGGTGACGACAGTACAGGAAGTGAAGCCCACTATCACCCCGAAAGGCTCCCATC
 AGACGCTCTAGTACCAGAGACAAAACAGAAGAGGGGAAACATGTTTCTACTGACGACAGGTGATTACA
 CGTGTGCTTCTGATGGAGGGATCAGGAAAGGAATTAGAAATGGGCATTCCATCCTACATCACCTGGATA
 TGGCACCAAATGCCATTATTAAGAATCATCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MGIENNERVILNVGGTRHETYRSTLKLTPGTRLALLASSEPPGDCLTTAGDKLQSPPPPLSPPPRAPPL
 SPGPGGCFEGGAGNCSSRGGGRASDHPGGGREFFDRHPGVFAYVLNYYRTGKLGHPADVCGPLFEEELAF
 WGIDETDVEPCWMTYRQHRDAEEALDIFETPDLIGGDPGDEDLAAKRLGIEDAAGLGGPDGKSGRWRR
 LQPRMWALFEDPYSSRAARFIAFASLFFILVSITTFCLTHEAFNIVKNKTEPVINGTSVVLQYEIETDP
 ALTYVEGVCVVWTFEFLVRIVFSFNKLEFIKLLNIIDFVAILPFYLEVGLSGLSSKAAKDVLFGLRVV
 RFVIRILRIFKLRHFVGLRVLGHLRSTNEFLLLIIFLALGVLIFATMIYYAERVGAQPNPDSASEHTQ
 FKNIPIGFWWAVVTMTTLGYGDMYPQTSWMLVGLCALAGVLTAMPVPIVNNFMYYSLAMAKQLP
 RKRKKHIPPAPQASSPTFCKTELNMACNSTQSDTCLGKDNRLLEHNRSVLSGDDSTGSEPPPLSPPERLPI
 RRSSTRDKNRRGETCFLLTTGDYTCASDGGIRKGI RNHGSILHHLDNNGTKCHYLRIIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

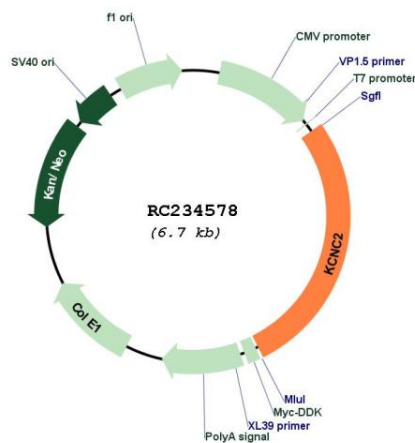
Cytogenetics: 12q21.1

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

MW: 68.8 kDa

Gene Summary: The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RC234578