*m*CAPC/LRRC26 VersaClone cDNA

Catalog Number: RDC2622

Specifications:

Gene:	*m*Lrrc26
Accession:	NP_666229
Insert size:	1009bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

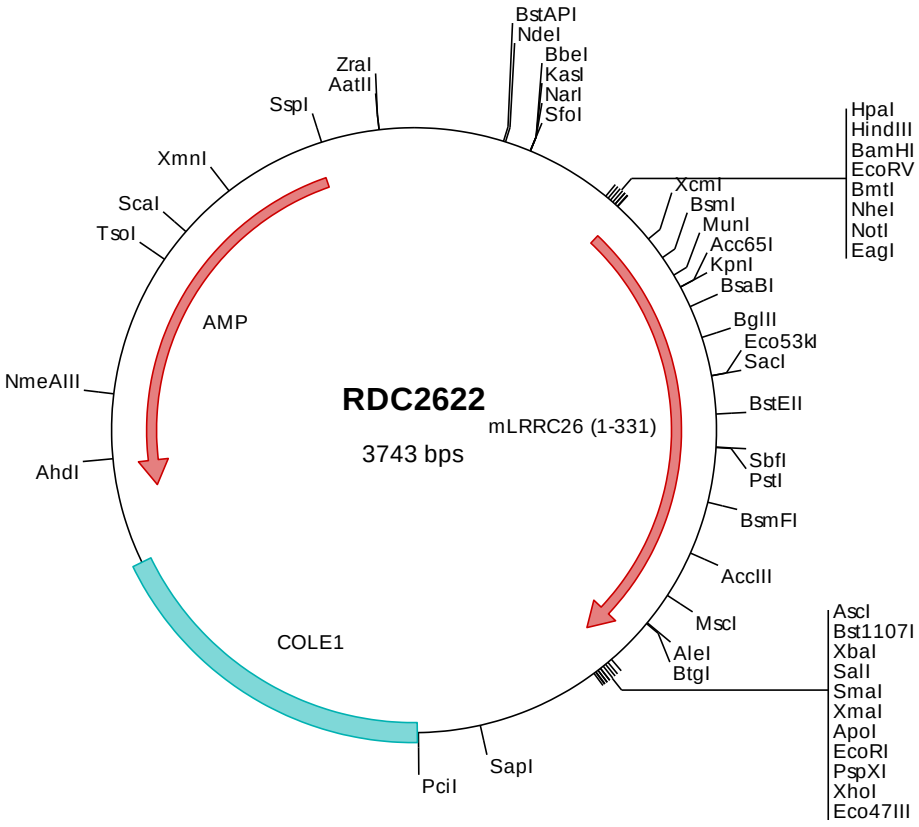
Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*CAPC/LRRC26 cDNA Plasmid

Lrrc26 leucine rich repeat containing 26 [*Mus musculus* (house mouse)]

Summary:
LRRC26 is an auxiliary protein of the large-conductance, voltage and calcium-activated potassium channel (BK alpha). It is required for the conversion of BK alpha channels from a high-voltage to a low-voltage activated channel type in nonexcitable cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2622 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcggggtt ctttttctc gcggcttccg ccgcaactct ctctgctgct
 501  gctgctgtcg ttgaggcgag tctggaccca ggaggatatt ggaactgccc cttctaaatc cccggtggcc cccgaatgcc ccgaggcatg ttcatgttca
 601  ctaggcggca aggccaattg ctccgcactc gcgctgcctg cggtaccagc ggacctgagc tggcaagtac gctcactgct gctggatcac aatcgcgtga
 701  gcgcgctgcc tccgggtgcc ttcgccaatg caggcgcgct gctataccta gatctgaggg agaaccggct tcggtcggtg cacgcacgag ctttctgggg
 801  tctgggagtg ttgcaatggc tggacctgag ctccaaccag ctggaaactc tgcctcctgg caccttcgcg ccgctgcgcg cgcttagttt cctctcccta
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1401  cctggaggat gctgggagcc ctgtaacagc agctatccaa gcctaaaggc gcgccagtat actctagagt cgacacccgg ggaattcctc gagcgctcgt
1501  ctctagcttg gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa
1601  gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa
1701  tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttccgct tcctcgctca ctgactcgct gcgctcggtc gttcggctgc ggcgagcggt
1801  atcagctcac tcaaaggcgg taatacggtt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt
1901  aaaaaggccg cgttgctggc gtttttccat aggctccgcc cccctgacga gcatcacaaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac
2001  tataaagata ccaggcgttt ccccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac cggatacctg tccgcctttc tcccttcggg
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2301  cgaggtatgt aggcggtgct acagagttct tgaagtggtg gcctaactac ggctacacta gaaggacagt atttggtatc tgcgctctgc tgaagccagt
2401  taccttcgga aaaagagttg gtagctcttg atccggcaaa caaaccaccg ctggtagcgg tggttttttt gtttgcaagc agcagattac gcgcagaaaa
2501  aaaggatctc aagaagatcc tttgatcttt tctacggggt ctgacgctca gtggaacgaa aactcacgtt aagggatttt ggtcatgaga ttatcaaaaa
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2701  tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgcct gactccccgt cgtgtagata actacgatac gggagggctt accatctggc
2801  cccagtgctg caatgatacc gcgagaccca cgctcaccgg ctccagattt atcagcaata aaccagccag ccggaagggc cgagcgcaga agtggtcctg
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3301  acgggataat accgcgccac atagcagaac tttaaaagtg ctcatcattg gaaaacgttc ttcggggcga aaactctcaa ggatcttacc gctgttgaga
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3601  atacatattt gaatgtattt agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaaccat tattatcatg
3701  acattaacct ataaaaatag gcgtatcacg aggccctttc gtc
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> RDC2622 Translated Insert Sequence

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 101  dlrenrlrsv harafwglgv lqwldlssnq letlppgtfa plralsflsl agnrlallep silgplpllr vlslqdnsls aieagllnnl paldvlrlhg
 201  npwtcncalr plctwlrkhp rpasetetll cvsprlqtls lltafpdaaf kqctqslaar dlavvyalgp vsflaslaic lalgsvltac garrrrrrrt
 301  tvrhllrrql dpegppsled agspvtaaiq a
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