

Product datasheet for **RG213004**

LRRC26 (NM_001013653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC26 (NM_001013653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC26
Synonyms:	bA350O14.10; CAPC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213004 representing NM_001013653 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGGGCCCTTCTGGTCGCGGCCTCGGCCGCTGCTGCTGCTGTTGCTGCTGCTGCTGCGCCTTGGCCTG
 TCTGGGCCAGGTGTCGGCCACGGCCTCGCCCTCGGGGTCCCTGGGCGCCCCGGACTGCCCGAGGTGTG
 CACGTGCGTGCCGGGAGGCCTGGCCAGCTGCTCGGCACTCTCGCTGCCCGCGTGCCCCGGGCCTGAGC
 CTGCGCCTGCGCGCTGCTGCTGGACCACAACCGCTCCGTGCGCTGCCGCCAGGTGCCTTCGCGGGAG
 CGGGCGCGCTACAGCGCCTGGACCTGCGCGAGAACGGGCTGCACTCGGTGCATGTGCGAGCCTTCTGGGG
 CCTGGGCGCGCTGCACTGCTGGACCTGAGCGCCAACAGCTGGAAGCACTGGCACCAGGGAATTCGCG
 CCGCTGCGCGCTGCGCAACCTCTCATTGGCCGCAACCGGCTGGCGCGCCTGGAGCCCGCGGCGCTAG
 GCGCGCTCCCGCTGCTGCGCTCACTCAGCCTGCAGGACAACGAGCTGGCGGCACTCGCGCCGGGGCTGCT
 GGGCCGCTGCCCGCTCTAGACGCGCTGCACCTGCGCGGCAACCTTGGGGCTGCGGGTGCAGCGCTGCGC
 CCGCTCTGCGCCTGGCTGCGCGGCAACCGCTGCCCGCTCAGAGGCCGAGACGGTGTCTGCGTGTGGC
 CGGACGCTGACGCTCAGCCCCCTGACTGCCTTTCCGACGCCGCTTTAGCCATTGCGCGCAGCCGCT
 CGCCCTGCGGGACCTGGCCGTGGTTTACACGCTCGGGCCGGCCTCCTTCCTCGTCAGCCTGGCTTCTGCTG
 CTGGCGCTGGGCTCTGGGCTACCGCCTGCCGTGCGCGCCGCGCGCCTCCGCACCGCCGCCCTCCGCC
 CGCGAGACCGCAGACCCGAACCCGATCCCGACCCCAAGGCTGTGCTCGCCCGGACCCGGGGAG
 CCCC GCCGCTGCCGCCAAGCC

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG213004 representing NM_001013653
 Red=Cloning site Green=Tags(s)

MRGPSWSRPRLLLLLLLLSPWPVWAQVSATASPSGSLGAPDCPEVCTCPVGGGLASCSALSLPAVPPGLS
 LRLRALLLDHNRYRALPPGAFAGAGALQRLDLRENGLSVHVRAFWGLGALQLLDLSANQLEALPGTFA
 PLRALRNLSLAGNRLARLEPAALGALPLLRSLSLQDNELAAAPGLLGRLPALDALHLRGNPWGCGCALR
 PLCAWLRRHPLPASEAETVLCVWPGRLTSLPTAFSDAAFSHCAQPLALRDLAVVYTLGPASFLVSLASC
 LALGSGLTACRARRRRRLTAALRPPRPPDPNPDPDPHGCASPADPGSPAAAAQA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013653

ORF Size: 1002 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001013653.3](#)

RefSeq Size: 1209 bp

RefSeq ORF: 1005 bp

Locus ID: 389816

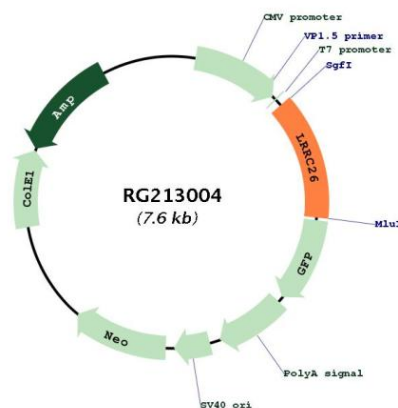
UniProt ID: [Q2I0M4](#)

Cytogenetics: 9q34.3

Protein Families: Transmembrane

Gene Summary: Auxiliary protein of the large-conductance, voltage and calcium-activated potassium channel (BK alpha). Required for the conversion of BK alpha channels from a high-voltage to a low-voltage activated channel type in non-excitable cells. These are characterized by negative membrane voltages and constant low levels of calcium.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213004