

Product datasheet for MR228161

Rab27b (NM_001302799) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab27b (NM_001302799) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab27b
Synonyms: 2310021G14Rik; B130064M09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228161 representing NM_001302799
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACACACAAGGAGCAGATGGAGCGTCAGGAAAAGCGTTAAGGTTCCGGAGCCTTACCACTGCCTTCT
TCAGAGATGCCATGGGCTTCTTACTGATGTTTGACCTCACCAGTCAACAGAGCTTCTTGAATGTCAGAAA
CTGGATGAGTCAACTGCAGGCAAATGCTTACTGTGAAAACCCAGACATAGTATTAATTGGCAACAAGGCA
GACCTGCCAGACCAAAGGGAAGTCAATGAACGGCAAGCACGGGAGCTGGCTGAAAAATATGTCATACCAT
ACTTCGAAAACAAGCGCAGCTACAGGACAGAATGTAGAGAAGTCAGTGGAAACGCTTCTGGACTTAATCAT
GAAGAGAATGAAAAGTGTGTAGAGAAGACACAGGTTCCGGACTGTCAATGGAGGAAATTCTGAAAAG
CTGGATGGGGAAAAGCCAGCAGAAAAGAAATGTGCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228161 representing NM_001302799
Red=Cloning site Green=Tags(s)

MTHKEQMERQEKRLRFRSLTTAFFRDAMGFLMFDLTSQSFNVRNWMSQLQANAYCENPDIVLIGNKA
DLPDQREVNERQARELAEKYGIPYFETSAATGQNVKSVETLLDLIMKRMEKCKVEKTQVPDVTVNGGNSGK
LDGEKPAEKKCAC

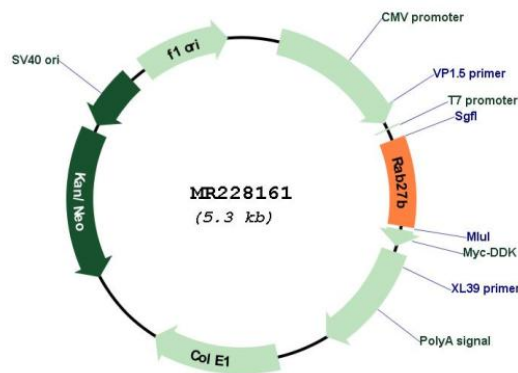
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001302799

ORF Size: 459 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:	<u>NM_001302799.1, NP_001289728.1</u>
RefSeq Size:	7174 bp
RefSeq ORF:	462 bp
Locus ID:	80718
Cytogenetics:	18 43.89 cM
MW:	18 kDa
Gene Summary:	Plays a role in NTRK2/TRKB axonal anterograde transport by facilitating the associaton of NTRK2/TRKB with KLC1. May be involved in targeting uroplakins to urothelial apical membranes.[UniProtKB/Swiss-Prot Function]