OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG202179

SNAP29 (NM_004782) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP29 (NM_004782) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNAP29
Synonyms:	CEDNIK; SNAP-29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG202179 representing NM_004782
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGCTTACCCTAAGAGCTACAATCCGTTCGACGACGACGGGGAGGACGAAGGCGCCCGGCCGGCCC
CTTGGAGGGACGCCCGAGACCTCCCCGACGGGCCCGACGCGCCCGCGGACAGGCAGCAGTACTTGCGGCA
GGAGGTCCTCCGCAGGGCTGAGGCCACGGCCGCCAGCACCAGCAGGTCCCTGGCCCTCATGTACGAGTCC
GAGAAGGTTGGGGTCGCCTCTTCCGAGGAGCTCGCCCGTCAGCGAGGAGTCCTGGAGCGCACAGAGAAGA
TGGTGGACAAGATGGACCAAGATTTGAAGATCAGCCAGAAACACATCAATAGCATTAAGAGCGTGTTTGG
GGGGCTGGTCAATTACTTCAAATCCAAACCAGTAGAGACCCCACCTGAACAGAATGGCACCCTCACCTCC
CAGCCCAACAACAGATTGAAAGAAGCTATAAGTACAAGTAAAGAACAGGAAGCAAAGTACCAGGCCAGCC
ACCCAAACCTTAGAAAGCTGGATGATACAGACCCTGTCCCCAGAGGGGCTGGTTCTGCCATGAGTACTGA
TGCTTACCCAAAGAACCCACACCTTCGAGCCTATCACCAGAAGATCGACAGCAACCTAGATGAGCTGTCC
ATGGGACTGGGTCGTCTGAAGGACATAGCCCTGGGGATGCAGACAGAAATTGAGGAGCAAGATGACATTC
TTGACCGGCTGACAACCAAAGTGGACAAGTTAGATGTCAACATAAAAAGCACAGAAAGAAAAGTTCGACA
ACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

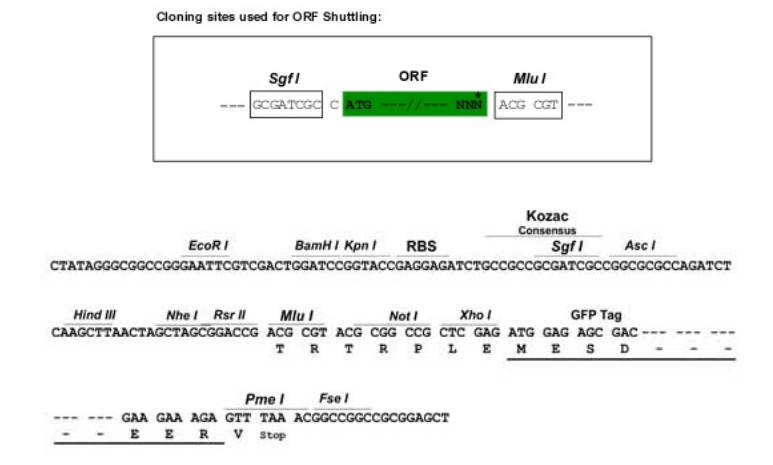
>RG202179 representing NM_004782
Red=Cloning site Green=Tags(s)

MSAYPKSYNPFDDDGEDEGARPAPWRDARDLPDGPDAPADRQQYLRQEVLRRAEATAASTSRSLALMYES
EKVGVASSEELARQRGVLERTEKMVDKMDQDLKISQKHINSIKSVFGGLVNYFKSKPVETPPEQNGTLTS
QPNNRLKEAISTSKEQEAKYQASHPNLRKLDDTDPVPRGAGSAMSTDAYPKNPHLRAYHQKIDSNLDELS
MGLGRLKDIALGMQTEIEEQDDILDRLTTKVDKLDVNIKSTERKVRQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004782

ORF Size: 774 bp

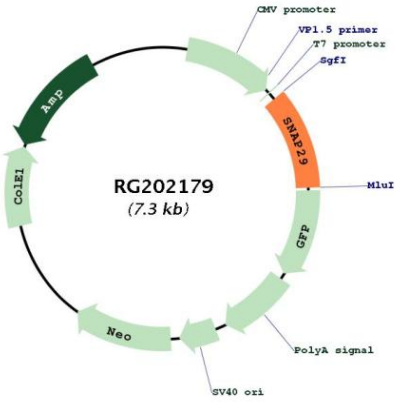
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_004782.2, NP_004773.1
RefSeq Size:	2863 bp
RefSeq ORF:	777 bp
Locus ID:	9342
UniProt ID:	O95721
Cytogenetics:	22q11.21
Domains:	t_SNARE, SNAP-25
Protein Families:	Druggable Genome
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	This gene, a member of the SNAP25 gene family, encodes a protein involved in multiple membrane trafficking steps. Two other members of this gene family, SNAP23 and SNAP25, encode proteins that bind a syntaxin protein and mediate synaptic vesicle membrane docking and fusion to the plasma membrane. The protein encoded by this gene binds tightly to multiple syntaxins and is localized to intracellular membrane structures rather than to the plasma membrane. While the protein is mostly membrane-bound, a significant fraction of it is found free in the cytoplasm. Use of multiple polyadenylation sites has been noted for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202179