

Product datasheet for **RG209525**

Septin 11 (SEPT11) (NM_018243) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 11 (SEPT11) (NM_018243) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Septin 11
Synonyms:	SEPT11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209525 representing NM_018243 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCGTGGCCGTGGGAGACCGTCTAATGAAGAGCTTCGAACTTGTCTTTGTCTGGCCATGTGGGAT
 TTGACAGCCTCCCTGACCAGCTGGTCAACAAGTCTACTTCTCAAGGATTCTGTTTCAACATCCTTTGTGT
 TGGTGAGACAGGCATTGGCAAATCCACGTTAATGGACACTTTGTTCAACACCAAATTTGAAAGTGACCCA
 GCTACTCACAATGAACAGGTGTTGCGTTAAAAGCCAGAAGTTATGAGCTTCAGGAAAGCAATGTACGGC
 TGAAGTTAACCATTGTTGACACCGTGGGATTTGGAGACCAGATAAATAAAGATGACAGCTATAAGCCGAT
 AGTAGAATATATTGATGCCCAGTTTCGAGGCCTACCTGCAAGAGGAATTGAAGATTAAACGTTCTCTCTTC
 AACTACCATGACACGAGGATCCATGCCTGCCTCTACTTTATTGCCCTACTGGACATTCATAAAGTCCC
 TGGATCTGGTCACCATGAAAAAGCTGGACAGTAAGGTGAACATCATTCGAATAATTGCAAAAGCTGACAC
 CATTGCCAAGAATGAAGTGCACAAATTCAGAGTAAGATCATGAGTGAAGTGGTCAGCAATGGGGTCCAG
 ATATATCAGTTTCCCACTGATGAAGAAACGGTGGCAGAGATTAAACGCAACAATGAGTGTCCATCTCCCAT
 TTGCAGTGGTTGGCAGCACCGAAGAGGTGAAGATTGGCAACAAGTGGCAAAAGGCCAGGCAGTACCCCTG
 GGGTGTGGTGCAGGTTGAGAATGAAAATCATTGCGATTTTGTGAACTTCGAGAGATGCTGATCCGCGTG
 AACATGGAGGACTTGCAGAGCAGACTCACACCGCCACTATGAATTGTACCGACGCTGTAAGCTTGAAG
 AGATGGGGTTCAAGGACACTGACCTGACAGCAAAACCCTTCAGTCTTCAGGAGACATATGAAGCAAAAAAG
 GAATGAATTCCTGGGAGAACTGCAGAAGAAAGAAGAAGAAATGAGACAAATGTTTGTATGAGAGTGAAG
 GAGAAAGAAGCTGAACCTAAGGAGGCAGAGAAAGAGCTTCACGAGAAGTTTGACCTTCTAAAGCGGACAC
 ACCAAGAAGAAAAGAAGAAAGTGAAGACAAGAAGAAGGAGCTTGAGGAGGAGGTGAACAACCTCCAGAA
 GAAGAAAGCAGCGGCTCAGTTACTACAGTCCCAGGCCAGCAATCTGGGGCCAGCAAACCAAGAAAGAC
 AAGGATAAGAAAAATGCAAGCTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209525 representing NM_018243
 Red=Cloning site Green=Tags(s)

MAVAVGRPSNEELRNLSLSGHVGFDSLDPQLVKNKSTSQGFCFNILCVGETGIGKSTLMDTLFNTKFESDP
 ATHNEPGVRLKARSYELQESNVRLKLTIVDTVFGDQINKDDSYKPIVEYIDAQFEAYLQEELKIKRSLF
 NYHDTRIHACLFIAPTGHSLKSLDLVTMKLDSKVNIIPIIAKADTIAKNELHKFKSKIMSELVSNGVQ
 IYQFPTDEETVAEINATMSVHLPAFVVGSTEEVKIGNKMAKARQYPWGVVQVENENHCDFVKLREMLIRV
 NMEDLREQTHTRHYELYRRCKLEEMGFKDTPDPSKPFSLQETYEAKRNEFLGELQKKEEEMRQMFVMRVK
 EKEAELKEAEKELHEKFDLLKRTHQEEKKKVEDKKKELEEEVNNFQKKKAAQLLSQAQQSGAQQTKKD
 KDKKNASFT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018243

ORF Size: 1287 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_018243.4](#)

RefSeq Size: 5582 bp

RefSeq ORF: 1290 bp

Locus ID: 55752

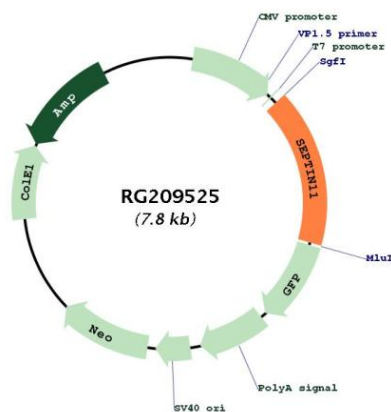
UniProt ID: [Q9NVA2](#)

Cytogenetics: 4q21.1

Domains: GTP_CDC

Gene Summary: SEPT11 belongs to the conserved septin family of filament-forming cytoskeletal GTPases that are involved in a variety of cellular functions including cytokinesis and vesicle trafficking (Hanai et al., 2004 [PubMed 15196925]; Nagata et al., 2004 [PubMed 15485874]).[supplied by OMIM, Jul 2009]

Product images:



Circular map for RG209525