

Product datasheet for **RG202381**

SEPTIN10 (NM_144710) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN10 (NM_144710) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEPTIN10
Synonyms:	SEPT10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG202381 representing NM_144710
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTCCGAGGTGGCGCGGCACCTGCTCTTTCACTCTCACATGGCAACGAAAACAACCTGTATGT
 CTTCAAGGATCAGATGATGAACAGATAAAAAGAGAAAACATTCGTTCTGTTGACTATGTCTGGCCATGT
 TGGTTTTGAGAGTTTGCCTGATCAGCTGGTGAACAGATCCATTACGCAAGGTTTCTGCTTTAATATTCTC
 TGTGTGGGGGAACTGGAATTGGAAAATCAACACTGATTGACACATTGTTAATACTAATTTTGAAGACT
 ATGAATCCTCACATTTTGGCCAAATGTTAAACTTAAAGCTCAGACATATGAAGTCCAGGAAAGTAATGT
 TCAATTGAAATTGACCATTGTGAATACAGTGGGATTTGGTGACCAATAAATAAAGAAGAGAGCTACCAA
 CCAATAGTTGACTACATAGATGCTCAGTTTGGGCTATCTCCAAGAAGAACTGAAGATTAAGCGTTCTC
 TCTTTACCTACCATGATTCTCGCATCCATGTGTGTCTCTACTTCATTTACCGACAGGCCACTCTCTGAA
 GACACTTGATCTCTTAACCATGAAGAACCTTGACAGCAAGGTAACATTATACCAGTGATTGCCAAAGCA
 GATACGGTTTCTAAAACGAATTACAGAAGTTTAAAGTCAAGCTCATGAGTGAATTGGTCAGCAATGGCG
 TCCAGATATACCAAGTCCCAACGGATGATGACACTATTGCTAAGGTCAACGCTGCAATGAATGGACAGTT
 GCCGTTTGCTGTTGTGGGAAGTATGGATGAGGTAAGTAAAGTCGGAACAAGATGGTCAAAGCTCGCCAGTAC
 CCTTGGGGTGTGTACAAGTGGAAAATGAAAACCACTGTGACTTTGTAAGCTGCGGGAAATGCTCATTT
 GTACAAATATGGAGGACCTGCGAGAGCAGACCCATACCAGGCACTATGAGCTTTACAGGCGCTGCAAACT
 GGAGGAAATGGGCTTTACAGATGTGGGCCAGAAAACAAGCCAGTCAGTGTTCAAGAGACCTATGAAGCC
 AAAAGACATGAGTTCCATGGTGAACGTCAGAGGAAGGAAGAAGAAATGAAACAGATGTTTGTGCAGCGAG
 TAAAGGAGAAAGAAGCCATATTGAAAGAAGCTGAGAGAGAGCTACAGGCCAAATTTGAGCACCTTAAGAG
 ACTTCACCAAGAAGAGAGAATGAAGCTTGAAGAAAAGAGAAGACTTTTGAAGAAGAAATAATTGCTTTC
 TCTAAAAAGAAAGCTACCTCCGAGATATTTACAGCCAGTCCTTTCTGGCAACAGGCAGCAACCTGAGGA
 AGGACAAGGACCGTAAGAAGTCCAATTTTTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

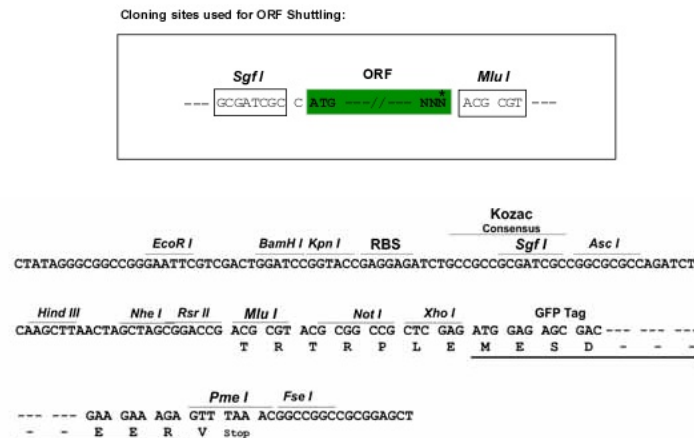
>RG202381 representing NM_144710
 Red=Cloning site Green=Tags(s)

MASSEVARHLLFQSHMATKTTTCSSQGSDDDEQIKRENIRSLTMSGHVGFESLPDQLVNRSIQQGFENIL
 CVGETGIGKSTLIDTLFNTNFEDYESSHFCPNVKLKAQTYELQESNVQLKLTIVNTVGFQDQINKEESYQ
 PIVDYIDAQFEAYLQEELKIKRSLFTYHDSRIHVCLYFISPTGHSKLTDLTMTKNLDSKVNIIPVIAKA
 DTVSKTELQKFKIKLMSLVSNVQIYQFPTDDDTIAKVNAAMNGQLPFVAVGSMDEVKVGKMKVKARQY
 PWGVVQVENENHCDLVKLREMLICTNMEDLREQTHRHYELYRRCKLEEMGFTDVGPEKPVSVQETYEY
 KRHEFHGERQRKEEEMKQMFVQRVKEEAILKEAERELQAKFEHLKRLHQEERMKLEEKRRLLLEEIIAF
 SKKKATSEIFHSQSFLATGSNLRKDKDRKNSNFL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_144710

ORF Size: 1362 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_144710.5](#)

RefSeq Size: 3269 bp

RefSeq ORF: 1365 bp

Locus ID: 151011

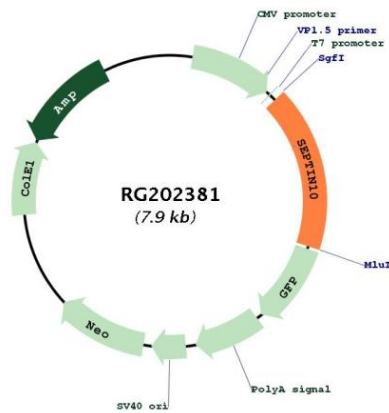
UniProt ID: [Q9P0V9](#)

Cytogenetics: 2q13

Domains: GTP_CDC

Gene Summary: This gene encodes a member of the septin family of cytoskeletal proteins with GTPase activity. This protein localizes to the cytoplasm and nucleus and displays GTP-binding and GTPase activity. A pseudogene for this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RG202381