

Product datasheet for **RG202296**

Gemin 6 (GEMIN6) (NM_024775) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gemin 6 (GEMIN6) (NM_024775) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Gemin 6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202296 representing NM_024775
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGTGAATGGATGAAGAAAGGCCCTTAGAATGGCAAGATTACATTTACAAAGAGGTCCGAGTGACAG
 CCAGTGAGAAGAATGAGTATAAAGGATGGGTTTTAACTACAGACCCAGTCTCTGCCAATATTGTCCTTGT
 GAATTCCTTGAAGATGGCAGCATGTCTGTGACCGGAATTATGGGACATGCTGTGCAGACTGTTGAACT
 ATGAATGAAGGGGACCATAGAGTGAGGGAGAAGCTGATGCATTTGTTACGTCTGGAGACTGCAAAGCAT
 ACAGCCCAGAGGATCTGGAAGAGAGAAAGAACAGCCTAAAGAAATGGCTTGAGAAGAACCACATCCCCAT
 CACTGAACAGGGAGACGCTCCAAGGACTCTCTGTGTGGCTGGGGTCTGACTATAGACCCACCATATGAT
 CCAGAAAATTGCAGCAGCTCTAATGAGATTATTCTGTGCGGTGTTGAGGATCTTATTGAAGGACATCTTA
 CAGCTTCCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202296 representing NM_024775
Red=Cloning site Green=Tags(s)

MSEWMKKGPLEWQDYIYKEVRVTASEKNEYKGVLTDDPVSANIVLVNFLEDGSM SVTGIMHAVQTVET
 MNEGDHRVREKLMHLFTSGDCKAYSPEDLEERKNLKKWLEKNHPI TEQGDAPRTL CVAGVLTIDPPYD
 PENCSSSNEIILSRVQDLIEGHLTASQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_024775

ORF Size: 501 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_024775.8](#)

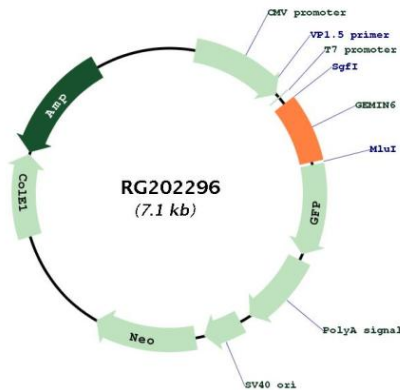
RefSeq Size: 705 bp

RefSeq ORF: 504 bp

Locus ID: 79833

UniProt ID: [Q8WXD5](#)
Cytogenetics: 2p22.1
Protein Families: Druggable Genome, Stem cell - Pluripotency
Gene Summary: GEMIN6 is part of a large macromolecular complex, localized to both the cytoplasm and the nucleus, that plays a role in the cytoplasmic assembly of small nuclear ribonucleoproteins (snRNPs). Other members of this complex include SMN (MIM 600354), GEMIN2 (SIP1; MIM 602595), GEMIN3 (DDX20; MIM 606168), GEMIN4 (MIM 606969), and GEMIN5 (MIM 607005). [supplied by OMIM, Jul 2002]

Product images:



Circular map for RG202296