

Product datasheet for **SC330276**

Gemin 5 (GEMIN5) (NM_001252156) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gemin 5 (GEMIN5) (NM_001252156) Human Untagged Clone
Tag: Tag Free
Symbol: GEMIN5
Synonyms: GEMIN-5; NEDCAM
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330276 representing NM_001252156.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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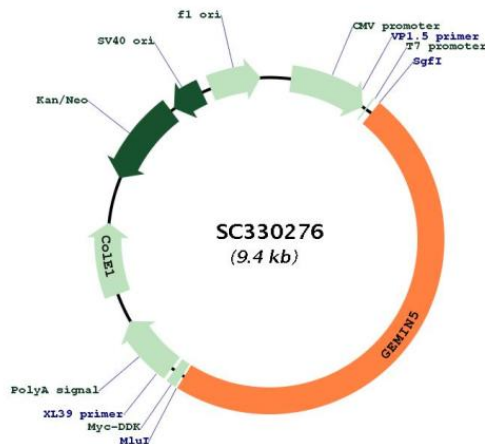


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Restriction Sites:

SgfI-MluI

Plasmid Map:


ACCN: NM_001252156

Insert Size: 4524 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001252156.1](#)

RefSeq Size: 5401 bp

RefSeq ORF: 4524 bp

Locus ID: 25929

UniProt ID: [Q8TEQ6](#)

Cytogenetics: 5q33.2

Protein Families: Druggable Genome

MW: 168.5 kDa

Gene Summary: This gene encodes a WD repeat protein that is a component of the survival of motor neurons (SMN) complex. The SMN complex plays a critical role in mRNA splicing through the assembly of spliceosomal small nuclear ribonucleoproteins (snRNPs), and may also mediate the assembly and transport of other classes of ribonucleoproteins. The encoded protein is the snRNA-binding component of the SMN complex. Dysregulation of this gene may play a role in alternative mRNA splicing and tumor cell motility. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.