

Product datasheet for MR202283

Gemin8 (NM_146238) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin8 (NM_146238) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gemin8
Synonyms:	B130034M20Rik; B930082C09Rik; BC023488; gemin-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202283 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTGGATGCAGGGCCACCAGAATGCCTACAGAAAGTTCAGGGATTCTATTTACATCCCCGTGGC
TCTTCCCTCATGGAGCTTCCCTGGAAGTCTCCTGCTTATGAGGCTGGGCATCCTGGGACTCTCAAGG
CCAGCACATGGCGCAGCAGGAGTCTCCCTACCGTGTTCATCCAAAAGCCCTGGGCAGCCTCTGCAT
AATAGCAGTAGAACCCAGGCATCCACAAGAGGGAATGAAGCACGGTGTGAGGAGGAAGAGCTGGAGTCAG
ATTCAGATGATGAAGTAGAGTGCACCTGAGCAATATGGAGATCACCGAGGAGCTCCGGCAGTACTTCGC
GCAGACCGAGAGGCACAGAGAGGAGAGAAGGCGACAGCAGCAGCTGGACGCAGAGCGCCTGAATTAAT
GTGAATGCGGACCATGGCCTGTACTTCAACCACCGTAGGTCACTGGAACCCCATCTGAGAAGCCCTGGG
AGCGGGCCAAGCAGAGATGAAGCGCTTATATGGCAACAGTGCTCCCAAGATCCTGGCCATGGAGACTGC
TGTACAGCTGAGCTTTGACAAGCACTGTGACAGAAAGCAACAAAGTACTGGCCTGTCAATCCCCTGAAG
TTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_146238.1](#)

RefSeq Size: 1836 bp

RefSeq ORF: 717 bp

Locus ID: 237221

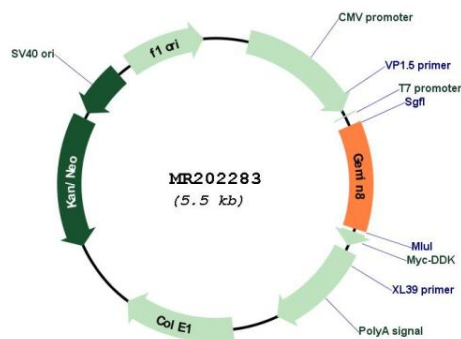
UniProt ID: [Q8BHE1](#)

Cytogenetics: X F5

MW: 25.1 kDa

Gene Summary: The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202283