

Product datasheet for **MR212637**

Psg27 (NM_001037168) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Psg27 (NM_001037168) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Psg27 |
| Synonyms: | cea15; EG545925 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR212637 representing NM_001037168
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCATCCTCTGAGCTTCTCAGCAATGGGTGTACCCCTGGCAAAGGGTTCTGCTCACAGCCTCCC
 TCTTTACCTGCTGGCTCCTCTCCACTACTGCCCGAGTCACCATCCATTACCGCTCCAAGTGGTTGAAGG
 AGAAAATGTTCTTCTACGAGTTGACAATCTGCCGAGAATCTTCTAGCCTTTTCTGGTATAGAGGCCTG
 AAAAAATTGGCAGCTTGAATTGCACTACATTTACTGGACTATAACACAAGTATGACAGGGCCTGATCACA
 GTGATAGAGAGATATTGTACAGCAATGGATCCCTATGGATCCAAAATGTCACCAAGGAGGACACAGGATA
 TTACTCTTTCGAACCATAAGCAAACATGGAGAAGTGGTATCAAATACATCCACATTTCTTCAGGTGTAC
 TCCTCTCATTTCACCTGTGGGCGCCCTTCTTCCCTGCCAAGCTCACTATTGAATCAGTGCCGCCAGAG
 TTGCTGAAGGAGGAAGTGTCTTCTCCGTGTTCACAATCTCCAGAGTATCTTCAATTATTTTTTGGTA
 CAAAGGGGTGATTATGACTAACAAAGTTGAGATTGTCAGACACAGAACACTCAAGATTTAAGCGATCCA
 GGCCCTGCCACAGCGGTAGAGAGACAGTGTTCAGCAATGGATCCCTGCTGCTCCAGAATGTCACCTGGA
 AAGACTGATGATTCTACCCCTACAAACTGAATCGATATCGGAAAATGGAAGTGCACACATTTACCT
 TCAGGTTGACACCTCCCTTTCCCATGCTGTGACACTCTTACTCTGCCAACTCAGGATCGATCCAGTG
 ACTCGGCATGCTACTGAAGGGGAAAGTGTCTTTTCCAGGTCTATAATCTGCCAAAAGTCCACAAGCCT
 TTTCTGGTACAAAGGCGTAGATAGCAATCCATACTTCAAAGTGTAGAATATAGCAAAGCAAGGTATTC
 CATGCTCATTGGCCAATCATACAGCAGAAGAGAGATTGGGTACCTTAATGGATCCCTGCTGCTCCAGGAT
 TTGACTGAGAAAGACTCTGGCTTGTACACACTAATAACAATAGACAGCAATGTGAAAGTTGAAACCTTGC
 ACGTGCAAAATCAACGTCACAAAGCTTGTGACACAGCCTGTTGTGAGAGTCACAGACAGCAGTTAGAGT
 ACAGAGCCAGTGGTCTTCACTTGTCTCAGACAACACTGGGGTCTCCATCCGTTGGCTCTTCAACAAT
 CAGAGTCTTCACTCACAGAGAGGATGAGCCTGTCTCCATCAAAGTCCAACTCAGGATACATACTGTGA
 GGAAGGAGGATGCTGGAGAGTACCAATGTGAGGCCTTCAACCCAGCCAACCAAAGACCAGTCTTCCAGT
 CAACCTGGCCGTGATGAATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212637 representing NM_001037168
 Red=Cloning site Green=Tags(s)

MEASSELLSNGCTPWQRVLLTASLFTCWLLSTTARVTIHSPLQVVEGENVLLRVDNLPENLLAFSWYRGL
 KNWQLAIALHLLDYNTSMTGPDHSDREILYSNGSLWIQNVTKEDTGYTLRTISKHGELVSNTSTFLQVY
 SSHFTCGRPSFPAKLTIESVPPRVAEGGSVFLRVHNLPEYLQLFFWYKGVIMTNKVEIVRHRTLKNLSDP
 GPAHSGRET VFSNGSLLLQNVTKWDTGFYTLQTLNRYRKMELAHIYLQVDTLSLPCDDTLDSAQLRIDPV
 TRHATEGESVLFQVYNLPKDPQAFSWYKGVDSNPYFKTVEYSKARYSMLIGQSYSRREIGYLNLSLLLQD
 LTEKDSGLYTLITIDSNVKVETLHVQINVHKLVTQPVVVRTDSTVVRVQSPVFTCFSDNTGVSIRWLFNN
 QSLQLTERMSLSPSKQLRIHTVRKEDAGEYQCEAFNPANSKTSLPVNLAVMNE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001037168

ORF Size: 1422 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_001037168.1](#), [NP_001032245.1](#)

RefSeq Size: 1989 bp

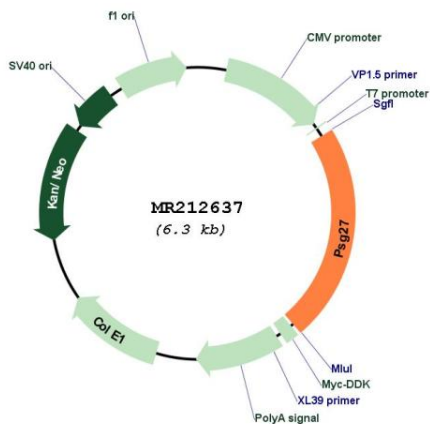
RefSeq ORF: 1425 bp

Locus ID: 545925

Cytogenetics: 7 A3

MW: 53.8 kDa

Product images:



Circular map for MR212637