

JIPSC1062_SnapgeneDNA_INK2S00107_GRN_Q125X_SNVWT 7861 bp





 GRN
GRN-201








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Sanger Sequencing Primer
GAGCTGGGCCGGTCTAATAC
PCR Forward
GAGCTGGGCCGGTCTAATAC





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Donor Template WT -> SNV TCTTGTCCACAGGTAACAACTCCGT





GGGTGCCATCTAGTGCCCTGATAGTCAGTTCGAATGCCCGGACTTC


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CACGGGACTATCAGTCAAGC

## $\stackrel{\text { ACTCT GCC TCAGTCCT GGT }}{\text { PCR Reverese }}$










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GCGTTTCAATAAAGTTTGTACACTTTCTTAA
 $\xrightarrow{\text { GRN }}$ $\square$


GRN-211
3920 .. $5224 \quad 1305 \mathrm{bp} \quad \square \quad \rightarrow \quad$ CDS

- 5 segments $=490$ b
 I§§
GRN-221 3920 .. $5080 \quad 1161 \mathrm{bp} \quad \square \quad \rightarrow \quad$ CDS
1 4 segments $=447 \mathrm{bp}$
/note $=$ coding sequence ENSP 00000466405

GRN-220 3920 .. $5059 \quad 1140 \mathrm{bp} \quad \square \quad \rightarrow$ CDS
1 4 segments $=426 \mathrm{bp}$
/note $=$ coding sequence ENSP00000467870

GRN-209 3920 .. $5042 \quad 1123 \mathrm{bp} \quad \square \quad \rightarrow \quad$ CDS
- 4 segments $=409 \mathrm{bp}$

GRN-218 3920 .. $5038 \quad 1119 \mathrm{bp} \quad \square \quad \rightarrow \quad$ CDS
1 4 segments $=405 \mathrm{bp}$
/note $=$ coding sequence ENSP 0000046702

GRN-215 3920 .. $4491 \quad 572 \mathrm{bp} \quad \square \quad \rightarrow \quad$ CDS


| GRN-203 |  |
| :--- | :--- |
| /note | coding sequence ENSP00000467745 |
| /translation | $=$ |
|  | MWTLVSWVALTA GLVAGTRCPDGQFCPVACCLDPGGA |
|  | 37 amino acids $=3.8 \mathrm{kDa}$ |


| Donor Template WT -> SNV | 4971 .. 5041 | 71 bp | $\square$ | $\dagger$ | misc_feature |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PAM | 5005 .. 5007 | 3 bp | $\square$ | $\mapsto$ | misc_feature |
| SNV | 5006 .. 5006 | 1 bp | $\square$ | $\mapsto$ | misc_feature |
| $\begin{array}{ll} \text { /note } & =\begin{array}{l} W T=C \\ \\ \\ S N V=T \end{array} \end{array}$ |  |  |  |  |  |
| Protospacer Sequence | 5008 .. 5027 | 20 bp | $\square$ | $\mapsto$ | misc_feature |
| GRN-217 | 5044 .. 6055 | 1012 bp | $\square$ | $\rightarrow$ | prim_transcript |
| $\text { /note } \quad=\begin{aligned} & \text { primary transcript ENST000000590984 } \\ & \text { Retained intron } \end{aligned}$ |  |  |  |  |  |
| GRN-205 | 5294 .. 7798 | 2505 bp | $\square$ | $\rightarrow$ | prim_transcript |
| /note $\quad=$ primary transcript ENST00000586443 |  |  |  |  |  |
| GRN-205 | 5294 .. 7407 | 2114 bp | $\square$ | $\rightarrow$ | CDS |

1 7 segments = 1166 bp
/note $=$ coding sequence ENSP00000465673




