

pLV-TRE-GLRA1-2A-gephyrin-Ubc-Neo

Backbone: pLV-TRE_NheI_IRES2-EGFP_BsrGI

Insert: NheI_GLRA1-Ubc-Neo_BsiWI

Parts:

GLRA1 (from NCBI):

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P2A:

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gephyrin (from NCBI):

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atggcgaccgaggggaatgatccttaataaccacgaccatcaaatccgtgctggagtccttacagtgagtgatagttg
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Ubc (from pLV-TRE-Sox17-Ubc-Bla):

Gagtgaaacctctcagacagccacggagccatttctcctcgtggtgctcagcagctagctcagcgggtctactattgcaac
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Neo (from pcDNA3.1(+)):

Gggagcttgatataccattttcggatctgatcaagagacaggaatgaggaatcgtttcgc, atgattgaaacaagatgga
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GLRA1 forward primer (GLRA1_fwd_NheI_kzk_2008-08-05):

Cgtagggctagcgccaacatgtacagcttcaatactcttgcactctacct

GLRA1 reverse primer (GLRA1_rev_2A_2008-08-05):

ccgtagagaggacgtccacaaccaggccaccaacttctctctgctgaagcaggccggcgga

Reverse Compliment: blah

gephyrin forward primer (gephyrin_fwd_2A_2008-08-05):

tgaagcaggccggcgacgtggaggagaaccaggcccaatggcgaccgagggaatgatcc

gephyrin reverse primer (gephyrin_rev_2008-08-05):

gtcatggctcattggacggcta tgatcag

Ubc forward primer (Ubc_fwd_gephyrinOvlp_2008-08-05):

ggtcattggacggcta tga tcagcgggtctactattgcaactaccc

Ubc reverse primer (Ubc_rev_kzk_BleoOvlp_2008-07-28):(works for Neo too)

ccgtttttGgcttttttgttagacgaaggc

Neo forward primer (Neo_fwd_UbcOvlp_2008-07-30):

gcttttttgttagacgaaggccaccatgattgaacaagatggattgcacgc

Neo reverse primer (Neo_rev_BsrGI_2008-07-30):

ctatcgccttcttgcagagttcttc tga cgtacg atccataag

Reverse Compliment: blah

Final Construct:

Cgtagg gctagc gccaac atgtacagcttcaatactcttgcactctacct ttgggagaccatttgtattcttcagcct
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