

pLV-TRE-Neureglin1-Ubc-Neo

Backbone: pLV-TRE_EcoRI_IRES2-EGFP_BsrGI

Insert: EcoRI_Neuregulin1-Ubc-Neo_BsiWI

Parts:

Neuregulin1 (from NCBI):

atggagattttattccccagacatgctgaggtcgccgcccagagaggtcctccagccccctccactcagctgagtgacagacccatctcttgatgggcttccggcagcagaagacatgccagagccccagactgaagatgggagaacccctggactcgtgggctggccgtgccctgctgtgctgcttagaagctgagcgcctgagaggttgccctcaactcagagaaaaatctgcattgtccccatcctggcttgctggctcagcctctgcctctgcatcgccggcctcaagtgggtattgtggacaagatctttgaatatgactctcctactcaccttgaccctgggggggttaggccaggaccctattattctctggacgcaactgctgcctcagctctgtgggtgtcgtctgaggcatacacttcacctgtctctagggctcaatctgaaagtgaggttcaagttacagtgcgaaggtgacaaggtggtgtctcctttgaaccatcagcggcaccgacaccgaagaatcgtaattttgctctttctcttctggcgtccactgcccaccttcccttcccccaccggaaccctgaggtgagaacgcccgaagtcagcaactcagccacaaacaacagaaactaatctccaaactgctcctaaactttctacatctacatccaccactgggacagccatcttggtaaaatgtgctggagaaggagaaaactttctgtgtgaaatggaggggagtgcttcatgggtgaaagaccttcaaacccctcgagatacttgtgcaagtgcacaaatgagtttactgggtgatcgctgcccacaaactacgtaatggccaactctacagtagctcactccctttctgtctctgcctgaaatag

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

Gagtgaacctctcagacagccacggagccatttccctccgtgggtgcccagcctagctcagcgggtctactattgcaactacccccgacatttgaggccgcctcggccattaattaagt, gatctggcctccgcgcggggtttggcgcctcccgcggcgcccccctcctcagcggcagcgcctgccacgtcagacgaagggcgcaggagcgtcctgataccttccgcccggagcctcaggacagcggcccgcctgctcataagactcggccttagaaccccagatcagcagaaggacattttaggacgggacttggggtgactctagggcactgggtttctcttccagagagcgggaacaggcagggaaaagtagtcccttctcggcgaattctgcccggaggatctccgtggggcgggtgaacgccgatgattatataaggacgcgcggggtgtggcacagctagttccgtcgcagcgggatttgggtcgcgggtcttggtttgggatacgtctgtgatcgtcacttggtgagtagcgggctgctgggctggcgggggtttctgtggccgcgggcccgcctcgggtgggacgggaagcgtgtggagagaccgccaagggctgtagctctgggtccgcgagcaaggttgccctgaaactgggggttgggggggagcgcagcaaaaatggcggctgttcccagagcttgaaatgggaagacgcttgtgaggcgggctgtgaggtcgttgaacaagggtggggggcattgggtgggcccgaagaacccaaggtcttgaggccttcgctaatgcccggaaagctcttattcgggtgagatgggctggggcaccaatcggggaccctgacgtgaagtttgtcactgactggagaactcggtttctgctctgttgcgggggcggcagttatgcgggtgccgttgggcagtgccaccgtaccttgggagcgcgcgcctcgtcgtgtcgtgacgtcacccttctgttggcttataatgcagggtggggccacctgcccggtaggtgtgcggtaggctttctcctcgtcgcaggacgcagggttccggcctagggtaggctctcctgatacagacaggcgcggacctctgggtgaggggagggataagtgaggcgtcagtttcttgggtcgggttttattgtacctatcttcttaagtagctgaagctccgggttttgaactatgcgctcgggggttggcagagtggttttgtgaaagtttttaggcaccttttgaatgtaatacatttgggtcaatatgtaatttctcagtggttagactagtaaatgtccgctaaaatctggcctgttttggcttttttggtagcgaag, cgtgagctcagaggtcgcactctagatgccaccatggccaagcctttgtctcaaga

Neo (from pcDNA3.1(+)):

Gggagccttgatataccattttcggatctgatcaagagacaggatgaggatcgtttcgc, **atgattgaacaagatgga**
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Neuregulin1 forward primer (Neuregulin1_fwd_EcoRI_kzk_2008-08-05):

gcatag**gaattc**gccaac**atggagatttattccccagacatgtc**

Neuregulin1 reverse primer (Neuregulin1_rev_SfiI_UbcOvlp_2008-08-05):

cactccctttctgtctctgcctgaatagcagtgatt**ggccgcctcggcctt**

Reverse Compliment: blah

Ubc forward primer (Ubc_fwd_GLRA1Ovlp_SfiI_2008-07-30):

cagtgattggccgcctcggcctt**ctcctcgtgggtgctcgcgc**

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

ccgtttttGgcttttttgtagacgaaggc

Neo forward primer (Neo_fwd_UbcOvlp_2008-07-30):

gcttttttgtagacgaaggccacc**atgattgaacaagatggattgcacgc**

Neo reverse primer (Neo_rev_BsrGI_2008-07-30):Bad Name, actually BbsiWI

ctatcgcttcttgacgagttcttctgacgtacg**atccataag**

Reverse Compliment: blah

Final Construct:

Cgtagggaattc**gccacc**atggagatttattccccagacatgtctgaggctcgcgcgcgagaggctcctccagccctc
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