

A

Rat (*Ratus norvegicus*) β -actin cDNA sequence and (T3 / T7) promoters

5' -

GCTACTTGCTGAATTAACCCTCACTAAAGGGAccattgaacacggcattgtcaccaactgggacgata
 tggagaagatttggcaccacactttctacaatgagctgctgtggccctgaggagcaccctgtgctg
 ctacccgaggccccctctgaaccctaaggccaaccgtgaaaagatgaccagatcatgtttgagacctt
 caacaccccagccatgtacgtagccatccaggctgtgttgtccctgtatgcctctggctcgtaccactg
 gcattgtgatggactccggagacggggtcacccacactgtgcccacatctatgagggttacgcgctccct
 catgccatcctgctgtgacactggctggcgggacctgacagactacctcatgaagatcctgaccga
 gctgtgctacagcttcaccaccacagctgagagggaaatcgtgctgacattaaagagaagctgtgct
 atgttgccctagacttcgagcaagagatggccactgccgcacacctcttccctcctggagaagagctat
 gagctgctgacgggtcaggtcatcactatcggaatgagcgggtccgatgccccgaggctctcttcca
 gccttccctcctgggtatggaatcctgtggcatccatgaaactacattcaattccatcatgaagtgtg
 acgttgacatccgtaaagacctctatgccaacacagtgtgtgtgtgtggcaccaccatgtaccaggc
 attgctgacaggatgcagaaggagattactgccttggtcctagcaccatgaagatcaagatcattgc
 tccctcctgagcgcaagtactctgtgtggattggtggctctatcctggcctcactgtccaccttccagc
 agatgtggatcagcaagcaggagtagcatgagtcggccctccatcgtgcaccgcaaagcttcttag
 gcggactgttactgagctgcgtttCCCTATAGTGAGTCGTATTACATTTCGACT-3'

B

Oligo name	Gene accession number	Oligo sequence
DIG_Rat_actin_FW_T3	NM_031144.3	TGAATTAACCCTCACTAAAGGGACCATTGAACACGGCATTGTC
DIG_Rat_actin_RV_T7	NM_031144.3	TGTAATACGACTCACTATAGGGCAAACGCAGCTCAGTAACAGTCC
N ₍₁₁₎ -T3_promoter_primer		GCTACTTGCTGAATTAACCCTCACTAAAGGGA
N ₍₉₎ -T7_promoter_primer		AGTCGAATGTAATACGACTCACTATAGGG
HCR_rat_actin_b_revcom_fragment1	NM_031144.3	CTCACTCCCAATCTCTATCTACCCTACAAATCCAATAAAAAACCCAT ACCCACCATCACACCCTGGTGCCTAGGGCGGCCACGATGGAGG ATTTCACTTCATATCACTCACTCCCAATCTCTATCTACCC
HCR_rat_actin_b_revcom_fragment2	NM_031144.3	CTCACTCCCAATCTCTATCTACCCTACAAATCCAATAAAAAATTGAA GGTCTCAAACATGATCTGGGTCATCTTTTCACGGTTGGCCTTAGGA TTTTCATTCATATCACTCACTCCCAATCTCTATCTACCC
HCR_rat_actin_b_revcom_fragment3	NM_031144.3	CTCACTCCCAATCTCTATCTACCCTACAAATCCAATAAAAAAGTTTCA TGGATGCCACAGGATTCCATACCCAGGAAGGAAGGCTGGAAGAG ATTTCACTTCATATCACTCACTCCCAATCTCTATCTACCC
HCR_rat_actin_b_revcom_fragment4	NM_031144.3	CTCACTCCCAATCTCTATCTACCCTACAAATCCAATAAAAAACTTGC GCTCAGGAGGAGCAATGATCTTGATCTTCATGGTGCTAGGAGCCA TTTTCATTCATATCACTCACTCCCAATCTCTATCTACCC
HCR_rat_actin_b_revcom_fragment5	NM_031144.3	CTCACTCCCAATCTCTATCTACCCTACAAATCCAATAAAAAATCGTA CTCCTGCTTGCTGATCCACATCTGCTGGAAGGTGGACAGTGAGGA TTTTCATTCATATCACTCACTCCCAATCTCTATCTACCC

Table S1. Schematic representation of the β -actin *in vitro* transcription. **(A)** Rat β -actin cDNA sequence (944bp) in black linked to sequences (in red) containing T3 and T7 promoters in 5' and 3', respectively (framed). **(B)** Oligos used for *in situ* hybridization experiments. T3 (T3 promoter), T7 (T7 promoter), FW (forward primer), RV (reverse primer).