

Primer list for Keap1		
primer name	Forward primer (5' - 3')	Reverse primer (5' - 3')
exon 2	gcaaattggattctgcttcacctactt	tcaaactgtggagactacaccacat
exon3	catcacaatgtacgcgggttcctatat	ggcacagaatcaaaggctactgacta
exon4	gatgaacctgtctctttaagggggaa	ggagagagagaagcttggactctatcagaa
exon4 (2)	gtccccatttttcttacgcc	gctccctcctaccgtcccc
exon 5	gggagaggagagaggaaagg	agcaaaagcaaaagcagtcc
exon5 (2)	agtcaccttctctgcatg	ggctagtccaggactcttc
exon 6a	ctttctgtccctgctcttg	gaagcctgctcttccacac
exon 6b	aaagcgggaatcatgtgc	ccagccctaagtcaaagagg
exon6 (2)	tgaccatcccttctgttcttc	ttcaggcctccagcccagagc
Primer list for Nrf2		
primer name	Forward primer (5' - 3')	Reverse primer (5' - 3')
exon2	cttccaccatcaacagtg	cctgccataactttccaag

Primers for RTPCR		
Gene	Forward primer (5' - 3')	Reverse primer (5' - 3')
Nrf2	gagagcccagcttctattgc	ttggcttctggacttgaac
Keap1	cagattggctgtgtggagtt	gctgttcgcagctgtacttg
GAPDH	cgaccactttgtcaagctca	aggggagattcagtggtgtg
HO-1	gccaggtgctcaaaaagatt	cctgcaactcctcaaaagagc
MRP5	tgacggaaatcgtgcggtcttgggt	tgggaccaacaggcttctctggg
BCRP	ccattgcatcttggtgtcatggctt	tctctcacctggggcttgtgg

siRNA molecules

Gene	manufacturer	code
Nrf2	dharmacon (Lafayette, USA)	D-003755-05
Keap1	invitrogen (Paisley, UK)	KEAP1-HSS114801(3RNA)
Negative universal control med	invitrogen (Paisley, UK)	46/2001