

BTG1 might be employed as a biomarker for carcinogenesis and a target for gene therapy in colorectal cancers

SUPPLEMENTARY TABLES

Supplementary Table S1: The primers used in Real-time RT-PCR

Names	Primer's sequence	Distribution	AT (°C)	Product size(bp)	Extension time(s)
<i>Cyclin B1</i>	F: 5'-GTTATGCAGCACCTG-3' R: 5'-CTTGGCTAAATCTTGAAC-3'	NM_001088590 1388-1537	60	150	34
<i>Cyclin E1</i>	F: 5'-GGATGTTGACTGCCTTGA-3' R: 5'-CGCACCACTGATACCCT-3'	BA000005 1044-1150	60	107	34
<i>Cdc2</i>	F: 5'-GGGCACTCCCAATAA-3' R: 5'-GATGCTAGGCTTCCTG-3'	XM_572099 631-723	60	93	34
<i>Bcl-2</i>	F: 5'-GCCTTCTTTGAGTTCGGTGGG-3' R: 5'-TGTGCAGGTGCCGGTTCAG-3'	DQ926871 938-1052	60	115	34
<i>Bax</i>	F: 5'-GATTGCCCGCGTGGAC-3' R: 5'-GCCCCAGTTGAAGTTGC-3'	DQ926869 306-393	60	88	34
<i>Bcl-xL</i>	F: 5'-GGCAACCCATCCTGGCACCT-3' R: 5'-AACTCGTCGCCTGCCTCCCT-3'	AY263145 118-276	60	159	34
<i>Akt1</i>	F: 5'-TCTTTGCCGGTATCGTGT-3' R: 5'-TGTCATCTTGGTCAGGTGGT-3'	F283818S13 1559-1708	60	150	34
<i>P21</i>	F: 5'-ACTGTCTTGTACCCTTGTGCC-3' R: 5'-AAATCTGTCATGCTGGTCTGC-3'	XM_003950827 572-679	60	108	34
<i>P27</i>	F: 5'-GGCTCCGGCTAACTCTGA-3' R: 5'-TTCTTCTGTTCTGTTGGCTCTT-3'	XM_522347 1081-1237	60	157	34
<i>GRP78</i>	F: 5'-GTTCTTGCCGTTCAAGGTGG-3' R: 5'-TGGTACAGTAACAACCTGCATG-3'	FJ436356 600-780	60	181	34
<i>BCRP</i>	F: 5'-GACAGCTTCCAATGACCTGAA-3' R: 5'-CAGGATGGCGTTGAGACC-3'	XM_005263356 285-456	60	172	34
<i>MRP1</i>	F: 5'-TTTCAGAACACGGTCCTCG-3' R: 5'-TGGGCTGACCAGAAACACT-3'	XM_005255327 190-423	60	234	34
<i>GSTπ</i>	F: 5'-CGGGCAAGGATGACTATGTGA-3' R: 5'-GGGCTAGGACCTCATGGATCA-3'	XM_001152516 585-746	60	162	34
<i>β-catenin</i>	F: 5'-GCTTGAATGAGACTGCTGA-3' R: 5'-CTGGCCATATCCACCAGAGT-3'	X87838 2221-2334	60	114	34
<i>cyclin D1</i>	F: 5'-TGCCACAGATGTGAAGTTCATT-3' R: 5'-CAGTCCGGGTCACACTTGAT-3'	NG_000002 776-937	60	162	34
<i>Survivin</i>	F: 5'-TTCTCAAGGACCACCGCATC-3' R: 5'-AGCCTTCCAGCTCCTTGAAG-3'	DQ508252 159-320	60	162	34
<i>IL-2</i>	F: 5'-GACTTTACTGCTGGATTT-3' R: 5'-ATTGCTGATTAAGTCCCT-3'	NM_000586.3 160-379	60	220	34
<i>IL-4</i>	F: 5'-CAGTTCTACAGCCACCAT-3' R: 5'-CTGGTTGGCTTCCTTCAC-3'	NM_172348.2 249-407	60	159	34
<i>IL-17</i>	F: 5'-GAAGGCAGGAATCACAAT-3' R: 5'-ATCGGTTGTAGTAATCTG-3'	NM_002190.2 108-253	60	146	34
<i>GAPDH</i>	F: 5'-CAATGACCCCTTCATTGACC-3' R: 5'-TGGAAGATGGTGTATGGGATT-3'	NM_002046.3 201-335	60	135	34

AT=annealing temperature.

Supplementary Table S2: Antibodies' used in Western blot

Names	Source	Company
Cyclin B1 (GNS1)	Mouse	Santa Cruz Biotech. Inc.
Cyclin D1 (H-295)	Rabbit	Santa Cruz Biotech. Inc.
CyclinE1 (HE12)	Rabbit	Santa Cruz Biotech. Inc.
Cdc2 p34 (B-6)	Mouse	Santa Cruz Biotech. Inc.
Cdk4 (C-22)	Rabbit	Santa Cruz Biotech. Inc.
Cdc25B (C-20)	Rabbit	Santa Cruz Biotech. Inc.
P53 (FL-393)	Rabbit	Santa Cruz Biotech. Inc.
Bcl-2 (C 21)	Rabbit	Santa Cruz Biotech. Inc.
Bax (B-9)	Mouse	Santa Cruz Biotech. Inc.
AIF(E-1)	Mouse	Santa Cruz Biotech. Inc.
XIAP(H-202)	Rabbit	Santa Cruz Biotech. Inc.
Atg14	Rabbit	Abcam
Beclin 1	Rabbit	Abcam
Atg7 (N-20)	Goat	Santa Cruz Biotech. Inc.
β -catenin (C-18)	Goat	Santa Cruz Biotech. Inc.
Phospho- β -catenin (Y142)	Rabbit	Abcam
P38 α / β (H-147)	Rabbit	Santa Cruz Biotech. Inc.
Phospho-p38 α / β (Thr180/Tyr182)	Rabbit	Santa Cruz Biotech. Inc.
Ki67	Rabbit	Abcam
LC3B	Rabbit	Cell signaling technology
BTG1	Rabbit	Proteintech
β -actin (C-4)	Mouse	Santa Cruz Biotech. Inc.
GAPDH	Mouse	Santa Cruz Biotech. Inc.