

Table S1. Common target information for Irisin and UC

Protein names	Gene name	Uniprot ID
TNF-alpha	TNF	P01375
Interleukin-2	IL2	P60568
Xanthine dehydrogenase	XDH	P47989
Carbonic anhydrase I	CA1	P00915
Transforming protein p21/H-Ras-1	HRAS	P01112
Adenosine A3 receptor	ADORA3	P0DMS8
6-O-methylguanine-DNA methyltransferase	MGMT	P16455
Leukocyte adhesion glycoprotein LFA-1 alpha	ITGAL	P20701
Alpha-2a adrenergic receptor	ADRA2A	P08913
Acetylcholinesterase	ACHE	P22303
Hydroxycarboxylic acid receptor 2	HCAR2	Q8TDS4
Matrix metalloproteinase 2	MMP2	P08253
Matrix metalloproteinase 12	MMP12	P39900
Carbonic anhydrase II	CA2	P00918
Serine/threonine-protein kinase Aurora-A	AURKA	O14965
MAP kinase p38 alpha	MAPK14	Q16539
Protein kinase C delta	PRKCD	Q05655
Protein kinase C beta	PRKCB	P05771
G-protein coupled receptor 55	GPR55	Q9Y2T6
P-glycoprotein 1	ABCB1	P08183
T-cell protein-tyrosine phosphatase	PTPN2	P17706
Heat shock protein HSP 90-alpha	HSP90AA1	P07900
Caspase-3	CASP3	P42574
Tyrosine-protein kinase SRC	SRC	P12931
Galectin-3	LGALS3	P17931
Galectin-1	LGALS1	P09382
Galectin-9	LGALS9	O00182
Lymphocyte differentiation antigen CD38	CD38	P28907
Matrix metalloproteinase 13	MMP13	P45452
Matrix metalloproteinase 9	MMP9	P14780
Matrix metalloproteinase 8	MMP8	P22894
Hepatocyte growth factor receptor	MET	P08581
Thymidylate synthase (by homology)	TYMS	P04818
Cyclooxygenase-2	PTGS2	P35354
Peroxisome proliferator-activated receptor gamma	PPARG	P37231
Kinesin-1 heavy chain/ Tyrosine-protein kinase receptor RET	RET	P07949
Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP	PTPN22	Q9Y2R2
Thymidine phosphorylase	TYMP	P19971
PI3-kinase p110-gamma subunit	PIK3CG	P48736
Fibronectin	FN1	P02751
PI3-kinase p110-alpha subunit	PIK3CA	P42336
Galectin-4	LGALS4	P56470
Vascular endothelial growth factor receptor 2	KDR	P35968
Prostate specific antigen	KLK3	P07288

Serum albumin	ALB	P02768
Mitogen-activated protein kinase kinase kinase 14	MAP3K14	Q99558
Dihydrofolate reductase (by homology)	DHFR	P00374
Receptor-type tyrosine-protein phosphatase S	PTPRS	Q13332
Cyclooxygenase-1	PTGS1	P23219
Toll-like receptor (TLR7/TLR9)	TLR9	Q9NR96
Arachidonate 5-lipoxygenase	ALOX5	P09917
