

Symbol	UGCI	uster	Name	LLID	UGRepAcc
Genes	upregulated	with	growth factors		
DDAH1	Hs. 379858		Dimethylarginine dimethylaminohydrolase 1		23576
NM_012137					
RQCD1	Hs. 148767		RCD1 required for cell differentiation1 homolog (S. pombe)		
9125	BM925206				
CSTF2	Hs. 132370		"Cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa"		
1478	AK095684				
EEF1E1	Hs. 631818		Eukaryotic translation elongation factor 1 epsilon 1		9521
BC005291					
PSMA4	Hs. 251531		"Proteasome (prosome, macropain) subunit, alpha type, 4"		
5685	BC030529				
PSMA3	Hs. 558799		"Proteasome (prosome, macropain) subunit, alpha type, 3"		
5684	BM918616				
PSMB1	Hs. 352768		"Proteasome (prosome, macropain) subunit, beta type, 1"		5689
AB209078					
ODC1	Hs. 467701		Ornithine decarboxylase 1	4953	CR614398
EIF5A	Hs. 534314		Eukaryotic translation initiation factor 5A		1984
CR622789					
UCHL3	Hs. 162241		Ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiol esterase)		7347
FAM98A	Hs. 468140		"Family with sequence similarity 98, member A"		25940
AK096187					
PFDN2	Hs. 492516		Prefoldin subunit 2	5202	BF203500
NARG1	Hs. 555985		NMDA receptor regulated 1	80155	NM_057175
EXOSC3	Hs. 591076		Exosome component 3	51010	NM_016042
UBE2V2	Hs. 491695		Ubiquitin-conjugating enzyme E2 variant 2		7336
AK094617					
DPH2	Hs. 632398		DPH2 homolog (S. cerevisiae)	1802	NM_001384
SLC25A32	Hs. 654812		"Solute carrier family 25, member 32"		81034
NM_030780					
MRPS23	Hs. 5836	Mitochondrial ribosomal protein S23		51649	BE782112
PSMC4	Hs. 211594		"Proteasome (prosome, macropain) 26S subunit, ATPase, 4"		
5704	CR611800				
KBTBD6	Hs. 534040		Kelch repeat and BTB (POZ) domain containing 6		89890
NM_152903					
SUB1	Hs. 229641		SUB1 homolog (S. cerevisiae)	10923	BX537584
NIIP7	Hs. 585728		Nuclear import 7 homolog (S. cerevisiae)		51388
NM_016101					
MRPL50	Hs. 288224		Mitochondrial ribosomal protein L50	54534	BE893534
TPI1	Hs. 524219		Triosephosphate isomerase 1	7167	BM913099
CCNA2	Hs. 58974		Cyclin A2	890	CR604810
GART	Hs. 473648		"Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase"		2618
BC068438					
MYC	Hs. 202453		V-myc myelocytomatosis viral oncogene homolog (avian)		4609
NM_002467					
RANBP1	Hs. 24763		RAN binding protein 1	5902	AK094410
CDC45L	Hs. 474217		CDC45 cell division cycle 45-like (S. cerevisiae)		8318
NM_003504					
RAD54L	Hs. 653212		RAD54-like (S. cerevisiae)	8438	NM_003579
ATAD3A	Hs. 655253		"ATPase family, AAA domain containing 3A"		55210
AK092833					
LDHA	Hs. 2795	Lactate dehydrogenase A	3939	BM457440	
IFRD2	Hs. 315177		Interferon-related developmental regulator 2		7866
Y12395					
EXOSC8	Hs. 294041		Exosome component 8	11340	AK096810
DLEU2	Hs. 547964		"Deleted in lymphocytic leukemia, 2"	8847	AF264787
TAF1A	Hs. 153088		"TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa"	9015	NM_005681
ATP1B1	Hs. 291196		"ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide"		481
NM_001677					
E2F7	Hs. 416375		E2F transcription factor 7	144455	AK096316
UCK2	Hs. 458360		Uridine-cytidine kinase 2	7371	BX640859
CTPS	Hs. 473087		CTP synthase	1503	BC009408

NOLC1	Hs. 523238	Nucleolar and coiled-body phosphoprotein 1	9221
D21262			
MCM7	Hs. 438720	Minichromosome maintenance complex component 7	4176
NM_182776			
CDCA4	Hs. 34045	Cell division cycle associated 4	55038 BG354577
MCM10	Hs. 198363	Minichromosome maintenance complex component 10	55388
AL136840			
LETM1	Hs. 120165	Leucine zipper-EF-hand containing transmembrane protein 1	
3954	BX537709		
TRI P13	Hs. 436187	Thyroid hormone receptor interactor 13	9319 NM_004237
HNRPAB	Hs. 248746	Heterogeneous nuclear ribonucleoprotein A/B	3182
AK123488			
NUP155	Hs. 547696	Nucleoporin 155kDa	9631 BC039257
CSE1L	Hs. 90073	CSE1 chromosome segregation 1-like (yeast)	1434
NM_001316			
WDR62	Hs. 116244	WD repeat domain 62	284403 BC058939
SHCBP1	Hs. 123253	SHC SH2-domain binding protein 1	79801 BC030699
DTYMK	Hs. 471873	Deoxythymidylate kinase (thymidylate kinase)	1841
AF258562			
DKC1	Hs. 4747	"Dyskeratosis congenita 1, dyskerin"	1736 BC009928
ZWINT	Hs. 591363	ZW10 interactor 11130	CR624092
ZWILCH	Hs. 21331	"Zwilch, kinetochore associated, homolog (Drosophila)"	
55055	BX640701		
TNFRSF1B	Hs. 256278	"Tumor necrosis factor receptor superfamily, member 1B"	7133 BC052977
FABP5	Hs. 408061	Fatty acid binding protein 5 (psoriasis-associated)	2171
BM563703			
PNPT1	Hs. 388733	Polynucleotide nucleotidyl transferase 1	87178
BC053660			
TOMM40	Hs. 655909	Translocase of outer mitochondrial membrane 40 homolog	
(yeast)	10452	BC047528	
NNMT	Hs. 503911	Nicotinamide N-methyltransferase	4837 AK097984
HLA-DMB	Hs. 654428	"Major histocompatibility complex, class II, DM beta"	3109
AB209577			
KIAA1199	Hs. 459088	KIAA1199	57214 AB103330

Genes downregulated with growth factors

CTDSP2	Hs. 524530	"CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2"	10106 NM_005730
CHES1	Hs. 434286	Forkhead box N3	1112 AK055175
CCNG2	Hs. 13291	Cyclin G2	901 BC032518
APLP2	Hs. 370247	Amyloid beta (A4) precursor-like protein 2	334
BX647107			
SEPP1	Hs. 275775	"Selenoprotein P, plasma, 1"	6414 BC030009
PPP2R5C	Hs. 368264	"Protein phosphatase 2, regulatory subunit B', gamma isoform"	5527 NM_002719
PINK1	Hs. 389171	PTEN induced putative kinase 1	65018 AB053323
LRRC1	Hs. 646997	Leucine rich repeat containing 1	55227 AU119761
MST1	Hs. 349110	Macrophage stimulating 1 (hepatocyte growth factor-like)	
4485	BC044862		
FAM53B	Hs. 129195	"Family with sequence similarity 53, member B"	9679
NM_014661			
PCK1	Hs. 1872	Phosphoenolpyruvate carboxykinase 1 (soluble)	5105 BX648510
TRAK1	Hs. 535711	"Trafficking protein, kinesin binding 1"	22906
NM_001042646			
ZFYVE1	Hs. 335106	"Zinc finger, FYVE domain containing 1"	53349 BC053520
BCL6	Hs. 478588	B-cell CLL/Lymphoma 6 (zinc finger protein 51)	604
BX649185			
GBP2	Hs. 386567	"Guanylate binding protein 2, interferon-inducible"	2634
NM_004120			
MXD4	Hs. 655020	MAX dimerization protein 4	10608 AK024501
HBP1	Hs. 162032	HMG-box transcription factor 1	26959 NM_012257
MLLT7	Hs. 584654	Forkhead box O4	4303 NM_005938
SSBP2	Hs. 102735	Singl e-stranded DNA binding protein 2	23635 NM_012446

HI ST2H2BE	Hs. 2178	"Histone cluster 2, H2be"	8349	BC069193
BMF	Hs. 591104	Bcl 2 modifying factor	90427	NM_001003940
GRAMD1C	Hs. 24583	GRAM domain containing 1C	54762	AL133661
METTL7A	Hs. 655369	Methyltransferase like 7A	25840	NM_014033
FBX015	Hs. 664011	F-box protein 15	201456	AK093252
FAM63A	Hs. 3346	"Family with sequence similarity 63, member A"	55793	AB037811
FANK1	Hs. 352591	Fibronectin type III and ankyrin repeat domains 1		
92565	CR627249			
CCT6B	Hs. 73072	"Chaperonin containing TCP1, subunit 6B (zeta 2)"		
10693	CR933688			
ING4	Hs. 524210	"Inhibitor of growth family, member 4"	51147	NM_016162
YPEL2	Hs. 463613	Yippee-like 2 (Drosophila)	388403	NM_001005404
PCDHB14	Hs. 658497	Protocadherin beta 14	56122	BC050417
KLHL24	Hs. 407709	Kelch-like 24 (Drosophila)	54800	NM_017644
PNRC1	Hs. 75969	Proline-rich nuclear receptor coactivator 1		10957
NM_006813				
TMC4	Hs. 355126	Transmembrane channel-like 4	147798	BC025323
HHAT	Hs. 58650	Hedgehog acyltransferase	55733	BC051191
CHGB	Hs. 516874	Chromogranin B (secretogranin 1)		1114 BC000375
ARNT2	Hs. 459070	Aryl-hydrocarbon receptor nuclear translocator 2		9915
NM_014862				
ACSS1	Hs. 529353	Acyl-CoA synthetase short-chain family member 1		84532
AK125058				
GSTA2	Hs. 94107	Glutathione S-transferase A2	2939	BI 762502