

Table S1: List for differential expressed protein identified by RNAi technique interfere 14-3-3 tau protein

Spot No.	Accession number	Protein Name	Mw(Dalton)	pI	Functional association	Up-or down-regulated
C5	IPI00000816	14-3-3 protein epsilon	29155.4	4.63	DNA/RNA binding protein	↑
C7/D1	IPI00021439	Actin, cytoplasmic 1	41709.7	5.29	structural constituent of muscle, motor activity	↑
C11	IPI00553164	Ribosomal protein SA, 67kDa	32833.4	4.79	laminin receptor	↑
C15	IPI00479143	Pericentrin 2	377849.5	5.39	in the centrosomes	↓
C17	IPI00017334	Prohibitin	29785.9	5.57	a potential tumor suppressor protein, a novel cytoplasmic anti proliferative protein widely expressed in a variety of tissues, inhibits DNA synthesis	↑
C19	IPI00291939	Structural maintenance of chromosome 1-like protein	143144.1	7.51	regulatory elements, can link nucleic acids in facilitating an RNAi mediated epigenetic modification involving secondary siRNAs and spreading of DNA methylation	↓

C21	IPI00291005	Malate dehydrogenase, cytoplasmic	36272	6.89	an enzyme in the citric acid cycle that catalyzes the conversion of malate into oxaloacetate, polymerase delta in eukaryotic cells	↓
C23/D6	IPI00556624	Keratin 1	66027	8.16	a member of the keratin family, specifically expressed in the spinous and granular layers of the epidermis	↓
C2	IPI00008530	60S acidic ribosomal protein P0	34251.8	5.71	structural constituent of ribosome which are the particles catalyses mRNA to protein synthesis	↑
C4/C8/C1 2	IPI00411559	Splice Isoform 1 of Structural maintenance of chromosome	147090.5	6.37	has DNA-dependent ATPase activity and is involved in DNA recombination repair, chromosome condensation, and sister-chromatid cohesion, during mitosis and meiosis	↓
C6	IPI00022314	Mn-Oxidation dismutase [Mn], mitochondrial precursor	24706.6	8.35	manganese ion binding, superoxide dismutase activity, oxidoreductase, superoxide metabolic process	↑
C10	IPI00063523	similar to Centromeric protein E (CENP-E protein)	741434.4	9.06	a kinesin-related microtubule motor protein that is essential for chromosome congression during mitosis	↓
C14 /D12	IPI00303335	Tax	772727.2	9.1	play a central role in the process leading to ATL, modulates the expression of many viral and cellular genes	↓

C16/D15	IPI00220327	Keratin, type II cytoskeletal 1	65846.9	8.16	regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 and the receptor of activated protein kinase C	↑
D5 /D2	IPI00297779	T-complex protein	57321.1	6.02	a molecular chaperone assisting in the folding of proteins in eukaryotic cytosol, cytosolic folding machinery	↓
D7/D11/ D13	IPI00216952	Splice Isoform C of Lamin A/C	65095.6	6.4	intermediate filament protein, primordial components of the cytoskeleton and the nuclear envelope	↑
D9	IPI00300452	Ankyrin repeat	86609.7	8.51	transcriptional initiators, cell cycle regulators, ion transporters and signal transducers mediating protein protein interactions	↑
D17	IPI00059639	OTTHUMP00000016588	26737.4	8.15	chromosome 6 open reading frame 141, protein-coding	↑
D19	IPI00333838	Coenzyme Cytosolic acyl coenzyme A thioester hydrolase, inducible	46248.1	6.9	a group of enzymes that catalyze the hydrolysis of acyl-CoA thioesters to free fatty acids	↓
D21	IPI00472614	Splice Isoform 1 of ERC protein 2	110490	6.51	thought to be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release	↓
D23	IPI00021570	Splice Isoform 1 of	16358.9	9.95	tumor necrosis factor receptor, the	

		Endothelial differentiation-related factor 1			transcription factor may or may not also interact selectively with a protein or macromolecular complex	↑
D4	IPI00186290	Elongation growth factor 2	95145.9	6.42	plays an important role in the process of protein synthesis	↓
D8			47008.3	6.99	a plasminogen receptor on the surface of a variety of hematopoetic, epithelial and endothelial cells, may play an important role in the intravascular and pericellular fibrinolytic system	↓
	IPI00465248	α -enolase				
D14		Centromere protein F, 350/400ka	357305.9	5.06	a component of the nuclear matrix during the G2 phase of inter-phase	↑
	IPI00477166					
D16		Similar to Zinc finger protein OZF	67813.8	9.38	overexpressed in colorectal cancer, DNA, heparin and zinc ion binding	↓
	IPI00411961					
D20/22		calreticulin precursor	48111.8	4.29	soluble analog of calnexin, chaperone of protein folding	↑
	IPI00020599					
D24		Keratin 9	62026.8	5.14	a type I cytokeratin, found only in the terminally differentiated epidermis of palms and soles	↓
	IPI00019359					

