

Supplementary Table 1

List of the proteins identified in the vesicle preparations from the different cell lines not yet reported in the Vesiclespedia database, their known function as described in UniProt, and their relative abundance (Spectral counts, SC)

Gene name	Protein	Function	Cell lines		
			E10	BxPC3	H3
			SC	SC	SC
EVA1B	Protein eva-1 homolog B	Unknown	3		
PI3	Elafin	elastase-specific inhibitor	2,7		
ADGRE5 (CD97)	CD97 antigen	Receptor; potentially involved in adhesion and signaling processes after leukocyte activation.	2,3		
ERO1A	ERO1-like protein alpha	Involved in disulfide bond formation in the endoplasmic reticulum; also regulates calcium release from the ER		7,7	
NAPRT	Nicotinate phosphoribosyltransferase	Helps prevent cellular oxidative stress via its role in NAD biosynthesis		6	
TIGAR	Fructose-2,6-bisphosphatase TIGAR	Regulates glycolysis and protects against oxidative stress			3,7
ACSS1	Acetyl-coenzyme A synthetase 2-like, mitochondrial	Essential for energy expenditure under ketogenic conditions (By similarity). Converts acetate to acetyl-CoA to produce ATP and CO ₂ .			2,3
GCN1	eIF-2-alpha kinase activator GCN1	Reprogramming of amino acid biosynthetic gene expression to alleviate nutrient depletion			2
NARS2	Probable asparagine--tRNA ligase, mitochondrial	Putative member of enzymes involved in protein biosynthesis			2
ACOT2	Acyl-coenzyme A thioesterase 2, mitochondrial	Fatty acid metabolism			2
P3H1	Prolyl 3-hydroxylase 1	Possible role as a chaperone in the synthesis of collagens; May be involved in the secretory pathway of cells; has growth suppressive activity in fibroblasts			1,7
TLDC1	TLD domain-containing protein 1	Activation of alternative mTOR signaling in the regulation of cell proliferation and migration	9,7	3	
COLGALT1 (GT251)	Procollagen galactosyltransferase 1	Facilitates the formation of collagen triple helix	3,7	2	
ADGRL2 (AGRL2)	Adhesion G protein-coupled receptor L2	Calcium-independent receptor; probably implicated in the regulation of exocytosis	3		6,3
SNU13 (NH2L1)	NHP2-like protein 1	Involved in pre-mRNA splicing as component of the spliceosome		2,3	2,3
ADGRG1 (GPR56)	Adhesion G-protein coupled receptor G1	Receptor involved in cell adhesion and probably in cell-cell interactions. Plays a critical role in cancer progression by inhibiting angiogenesis	5	4,7	15
RTCB	tRNA-splicing ligase RtcB homolog	Catalytic subunit of the tRNA-splicing ligase complex; may act as an RNA ligase with broad substrate specificity	4	4	5
MVB12A	Multivesicular body subunit 12A	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies.	3	5,3	3,3