

## TYW1B Knockout cell line (A549)

**Catalog Number:** KO12903

Product Information	
Product Name	TYW1B Knockout cell line (A549)
specification	1*10 <sup>6</sup>
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:4
species	Human
Gene	TYW1B
Gene ID	441250
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% F12K+10% FBS
Parental Cell Line	A549
Quality Control	Genotype: TYW1B Knockout cell line (A549) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information	
Gene Official Full Name	tRNA-yW synthesizing protein 1 homolog Bprovided by HGNC
Also known as	RSAFD2; LINC00069; NCRNA00069
Gene Description	Wybutosine is a hypermodified guanosine found in phenylalanine tRNA. Wybutosine functions to stabilize codon-anticodon interactions during ribosome decoding and therefore supports the maintenance of the reading frame. In yeast, the homolog of this gene is essential for the synthesis of wybutosine. The human genome contains two closely related genes that putatively function in wybutosine synthesis. The open reading frame of this locus is disrupted in some individuals. Thus, this locus appears to be an evolving pseudogene, but may still be functional in some members of the population. [provided by RefSeq, Apr 2014]
Expression	Ubiquitous expression in ovary (RPKM 3.5), thyroid (RPKM 3.4) and 25 other tissues See more