

PRKAA1 Knockout cell line (HeLa)

Catalog Number: KO01384

Product Information	
Product Name	PRKAA1 Knockout cell line (HeLa)
specification	-
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:6
species	Human
Gene	PRKAA1
Gene ID	5562
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM+10% FBS
Parental Cell Line	HeLa
Quality Control	Genotype: PRKAA1 Knockout cell line (HeLa) >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	protein kinase AMP-activated catalytic subunit alpha 1provided by HGNC
Also known as	AMPK; AMPKa1; AMPK alpha 1
Gene Description	The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Expression	Ubiquitous expression in gall bladder (RPKM 18.4), thyroid (RPKM 16.3) and 25 other tissues See more