

CAPNS1 Knockout cell line(SK-N-SH)

Catalog Number: KO01446

Product Information	
Product Name	CAPNS1 Knockout cell line(SK-N-SH)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:2-1:3
species	Human
Gene	CAPNS1
Gene ID	826
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM+10% FBS
Parental Cell Line	SK-N-SH
Quality Control	Genotype: CAPNS1 Knockout cell line(SK-N-SH) >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	calpain small subunit 1provided by HGNC
Also known as	CANP; CDPS; CSS1; PPH6; CANPS; CAPN4; CALPAIN4
Gene Description	This gene is a member of the calpain small subunit family. Calpains are calcium-dependent cysteine proteinases that are widely distributed in mammalian cells. Calpains operate as heterodimers, comprising a specific large catalytic subunit (calpain 1 subunit in Calpain I, and calpain 2 subunit in Calpain II), and a common small regulatory subunit encoded by this gene. This encoded protein is essential for the stability and function of both calpain heterodimers, whose proteolytic activities influence various cellular functions including apoptosis, proliferation, migration, adhesion, and autophagy. Calpains have been implicated in neurodegenerative processes, such as myotonic dystrophy. A pseudogene of this gene has been defined on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]
Expression	Ubiquitous expression in esophagus (RPKM 128.4), heart (RPKM 97.8) and 25 other tissues See more

