

USP20 Knockout cell line ☐ THP-1 ☐

Catalog Number: KO00005

Product Information	
Product Name	USP20 Knockout cell line (THP-1)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Monocytes, suspended growth
Passage ratio	1 : 2-1 : 4
species	Human
Gene	USP20
Gene ID	10868
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%RPMI-1640+10%FBS
Parental Cell Line	THP-1
Quality Control	Genotype: USP20 Knockout cell line (THP-1) >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	ubiquitin specific peptidase 20provided by HGNC
Also known as	VDU2; hVDU2; LSFR3A
Gene Description	This gene encodes a ubiquitin specific processing protease that was first identified as a substrate of the VHL (von Hippel-Lindau disease) protein E3 ubiquitin ligase complex. In addition to being ubiquitinated by the VHL-E3 ligase complex, this enzyme deubiquitinates hypoxia-inducible factor (HIF)-1 alpha and thereby causes increased expression of HIF-1alpha targeted genes which play a role in angiogenesis, glucose metabolism, cell proliferation and metastasis. The enzyme encoded by this gene also regulates G-protein coupled receptor signaling by mediating the deubiquitination of beta-2 adrenergic receptor (ADRB2). This enzyme is a ubiquitously expressed thiolester hydrolase. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jan 2013]
Expression	Ubiquitous expression in lymph node (RPKM 8.9), bone marrow (RPKM 8.3) and 25 other tissues See more

