

IMPDH1 Knockout cell line (A549)

Catalog Number: KO37051

Product Information	
Product Name	IMPDH1 Knockout cell line (A549)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:4
species	Human
Gene	IMPDH1
Gene ID	3614
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% F12K+10% FBS
Parental Cell Line	A549
Quality Control	Genotype: IMPDH1 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	inosine monophosphate dehydrogenase 1provided by HGNC
Also known as	IMPD; RP10; IMPD1; LCA11; IMPDH-I; sWSS2608
Gene Description	The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Expression	Ubiquitous expression in fat (RPKM 19.1), appendix (RPKM 15.8) and 24 other tissues See more