

## CGAS Knockout cell line (A549)

Catalog Number: KO01678

Product Information	
Product Name	CGAS 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	CGAS
Gene ID	115004
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% F12K+10% FBS
Parental Cell Line	A549
Quality Control	Genotype: CGAS 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	cyclic GMP-AMP synthase provided by HGNC
Also known as	D4; MB21D1; h-cGAS; C6orf150
Gene Description	Enables several functions, including 2',3'-cyclic GMP-AMP synthase activity; molecular condensate scaffold activity; and phosphatidylinositol-4,5-bisphosphate binding activity. Involved in several processes, including defense response to symbiont; intracellular signal transduction; and regulation of defense response. Located in nuclear body; plasma membrane; and site of double-strand break. Is active in cytosol and nucleus. [provided by Alliance of Genome Resources, Apr 2025]
Expression	Broad expression in bone marrow (RPKM 4.9), lymph node (RPKM 3.8) and 24 other tissues See more