

# Product Sheet

## H\_ALPPL2(ALPG) LLC1 Cell Line

Catalog number: GM-C32892

Version 3.3.1.241204

<b>Description</b>	H_ALPPL2(ALPG) LLC1 Cell Line is a clonal stable LLC1 cell line that constitutively expresses the human ALPPL2(ALPG) gene, constructed using lentiviral technology.
<b>Quantity</b>	5E6 Cells per vial, 1 mL
<b>Product Format</b>	1 vial of frozen cells
<b>Shipping</b>	Shipped on dry ice
<b>Storage Conditions</b>	Liquid nitrogen immediately upon receipt
<b>Target</b>	Human_ALPPL2(ALPG)
<b>Gene ID/Uniprot ID</b>	P10696
<b>Host Cell</b>	LLC1
<b>Recovery Medium</b>	DMEM+10% FBS+1% P.S
<b>Growth medium</b>	DMEM+10% FBS+1% P.S+1 µg/mL Puromycin
<b>Note</b>	None
<b>Freezing Medium</b>	90% FBS+10% DMSO
<b>Growth properties</b>	Mixed: adherent and suspension
<b>Growth Conditions</b>	37°C, 5% CO <sub>2</sub>
<b>Mycoplasma Testing</b>	The cell line has been screened to confirm the absence of Mycoplasma species.
<b>Safety considerations</b>	Biosafety Level 2
<b>Note</b>	It is recommended to expand the cell culture and store a minimum of 10 vials at an early passage for potential future use.

## Materials

Reagent	Manufacturer/Catalogue No.
DMEM	VivaCell/C3110-0500
Fetal Bovine Serum	Cegrogen biotech/A0500-3010
Pen/Strep	Thermo/15140-122
Puromycin	Genomeditech/ <a href="#">GM-040401</a>
Anti-ALPPL2 mIgG2a antibody(SGN-ALPV)	Genomeditech/ <a href="#">GM-58773AB</a>

## Figures

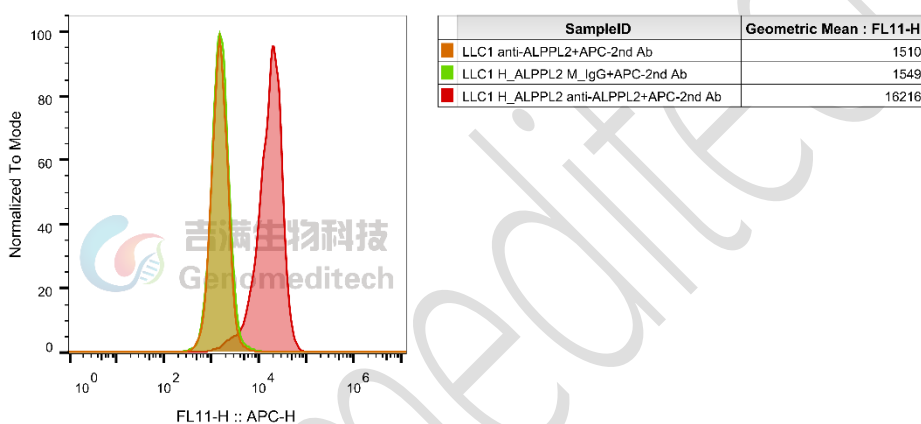


Figure 1 | H\_ALPPL2(ALPG) LLC1 Cell Line (Cat. GM-C32892) was determined by flow cytometry using Anti-ALPPL2 mIgG2a antibody(SGN-ALPV) (Cat. [GM-58773AB](#)).

## Cell Recovery

Recovery Medium: DMEM+10% FBS+1% P.S

To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

- Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the O-ring and cap out of the water. Thawing should be rapid (approximately 2 - 3 minutes).
- Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.
- Transfer the vial contents to a centrifuge tube containing 5.0 mL complete culture medium and spin at approximately 176 x g for 5 minutes. Discard supernatant.
- Resuspend cell pellet with the recommended recovery medium. And dispense into appropriate culture dishes.

- e) Incubate the culture at 37°C in a suitable incubator. A 5% CO<sub>2</sub> in air atmosphere is recommended if using the medium described on this product sheet.

## Cell Freezing

Freezing Medium: 90% FBS+10% DMSO

- Centrifuge at 176 x g for 3 minutes to collect cells.
- Resuspend the cells in pre-cooled freezing medium and adjust the cell density to 5E6 cells/mL.
- Aliquot 1 mL into each vial.
- Place the vial in a controlled-rate freezing container and store at -80°C for at least 1 day, then transfer to liquid nitrogen as soon as possible.

## Cell passage

Growth medium: DMEM+10% FBS+1% P.S+1 µg/mL Puromycin

For the first 1 to 2 passages post-resuscitation, use the recovery medium. Once the cells have stabilized, switch to a growth medium.

- Under normal conditions, these cells exist as both adherent and round suspension cells.
- When changing the medium, take care to retain the suspension cells. During passaging, collect both the adherent and suspension cells together before subculturing.
- Add 1.0 mL of 0.25% (w/v) Trypsin-EDTA solution to dish and observe cells under an inverted microscope until cell layer is dispersed (usually within 1 to 2 minutes at 37°C).
- Note: To avoid clumping do not agitate the cells by hitting or shaking the flask while waiting for the cells to detach. Cells that are difficult to detach may be placed at 37°C to facilitate dispersal.
- Add 2.0 mL of growth medium to mix well and aspirate cells by gently pipetting.
- After centrifugation, resuspend the pellet and add appropriate aliquots of the cell suspension to new culture vessels.
- Incubate cultures at 37°C.

**Subcultivation Ratio: A subcultivation ratio of 1:2 - 1:4 is recommended**

**Medium Renewal: Every 2 to 3 days**

## Notes

- After the stabilization of the cell condition, there will be fewer dead cells post-passage, the cell growth rate will tend to stabilize, cell morphology will become uniform, and the cells will appear robust.

## Sequence

ALPPL2(ALPG) P10696

MQGPWVLLLLGLRLQLSLGIIPVEEENPDFWNRQAAEALGAAKKLQPAQTAAKNLIIFLGDGMGVSTVTAAR  
ILKGQKKDKLGPETFLAMDRFPYVALSKTYSVDKHVPDSGATATAYLCGVKGNFQTIGLSAAARFNQCNTT  
RGNEVISVMNRAKKAGKSVGVTTRVQHASPAGAYAHTVNRNWYSDADVPASARQEGCQDIATQLISNM

DIDVILGGGRKYMFPMPGTPDPEYPDDYSQGGTRLDGKNLVQEWLAKHQGARYVWNRTELLQASLDPSVTH  
LMGLFEPGDMKYEIHRDSTLDPPLMEMTEAALLLSRNPRGFFLFVEGGRIDHGHESRAYRALTETIMFDD  
AIERAGQLTSEEDTSLVTADHSHVFSFGGYPLRGSSIFGLAPGKARDRKA YTVLLYGNPGYVLKDGARPD  
VTESESGSPEYRQQSAVPLDGETHAGEDVAVFARGPQAHLVHG VQEQTFAHVMAFAACLEPYTACDLAPR  
AGTTDAAHPGPSVVPALLPLLAGTLLLLGTATAP

## Related Products

ALPPL2 ALPP	
<a href="#">Cynomolgus_ALPP HEK-293 Cell Line</a>	<a href="#">H_ALPI HEK-293 Cell Line</a>
<a href="#">H_ALPL HEK-293 Cell Line</a>	<a href="#">H_ALPP CHO-K1 Cell Line</a>
<a href="#">H_ALPP CT26 Cell Line</a>	<a href="#">H_ALPP HEK-293 Cell Line</a>
<a href="#">H_ALPP LLC1 Cell Line</a>	<a href="#">H_ALPP MC38 Cell Line</a>
<a href="#">H_ALPPL2(ALPG) CHO-K1 Cell Line</a>	<a href="#">H_ALPPL2(ALPG) CT26 Cell Line</a>
<a href="#">H_ALPPL2(ALPG) HEK-293 Cell Line</a>	<a href="#">H_ALPPL2(ALPG) MC38 Cell Line</a>
<a href="#">Anti-ALPPL2 hIgG1 antibody(SGN-ALPV)</a>	<a href="#">Anti-ALPPL2 mIgG2a antibody(SGN-ALPV)</a>
<a href="#">Anti-H_ALPPL2 hIgG1 Reference Antibody (h12F3)</a>	
<a href="#">Anti-ALPPL2-MMAE ADC(Dar4)[SGN-ALPV]</a>	
<a href="#">Biotinylated Cynomolgus ALPI Protein; His-Avi Tag</a>	<a href="#">Biotinylated Cynomolgus ALPL Protein; His-Avi Tag</a>
<a href="#">Biotinylated Cynomolgus ALPP Protein; His-Avi Tag</a>	<a href="#">Biotinylated Human ALPP Protein; His-Avi Tag</a>
<a href="#">Biotinylated Human ALPI Protein; His-Avi Tag</a>	<a href="#">Biotinylated Human ALPL Protein; His-Avi Tag</a>
<a href="#">Cynomolgus ALPI Protein; His Tag</a>	<a href="#">Cynomolgus ALPL Protein; His Tag</a>
<a href="#">Human ALPI Protein; His Tag</a>	<a href="#">Human ALPL Protein; His Tag</a>
<a href="#">Human ALPP Protein; His Tag</a>	<a href="#">Human ALPPL2 Protein; His Tag</a>
ADC Related Product	
<a href="#">Anti-DXD Mouse IgG1 Antibody (23E21C5)</a>	<a href="#">Anti-DXD Mouse IgG1 Antibody (4A5A12)</a>
<a href="#">Anti-Dxd Mouse IgG2a Antibody (17D6A4)</a>	<a href="#">Anti-Eribulin Mouse IgG2a Antibody (10F8G4)</a>
<a href="#">Anti-MMAE Mouse IgG1 Antibody (11C10E3)</a>	<a href="#">Anti-MMAE Mouse IgG2a Antibody (17A1K11)</a>
<a href="#">Anti-MMAE Mouse IgG2a Antibody (8F6A3)</a>	<a href="#">Mouse anti Human IgG-MMAE(Dar4)</a>
<a href="#">Human IgG1 Isotype-DXD (Dar8)</a>	<a href="#">Human IgG1 Isotype-Eribulin (Dar4)</a>
<a href="#">Human IgG1 Isotype-MMAE (Dar4)</a>	
<a href="#">Recombinant DT3C Protein</a>	

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