

Human ALPPL2 Protein; hFc Tag

Product Information

Product Name	Human ALPPL2 Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88589RP-100 / 100 μg GM-88589RP-1000 / 1 mg

Protein Information

Alternative Names	ALP-1, PLAP-like, ALPPL, Alkaline phosphatase, germ cell type
Source	Human ALPPL2 Protein; hFc Tag is expressed from human 293 cells (HEK-293). It contains AA Ile20- Asp503 (Accession # P10696-1). This protein carries a hFc tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	78.5 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	ALPPL2 (Alkaline Phosphatase, Placental-Like 2), also known as ALPG or GCAP (Germ Cell Alkaline Phosphatase), is an enzyme mainly expressed in germ cells (and also in some cancer tissues in certain contexts). ALPPL2 acts as a key regulator of phosphate metabolism, promoting dephosphorylation of substrates, and it is especially important for the maintenance of cellular phosphate homeostasis and germ cell development. ALPPL2 exerts its effects by catalyzing the hydrolysis of phosphate esters at alkaline pH, and its activity is dependent on the presence of zinc and magnesium ions as cofactors, forming a functional enzyme that participates in various physiological and pathological processes.

Figures

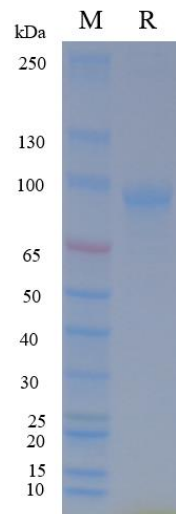


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

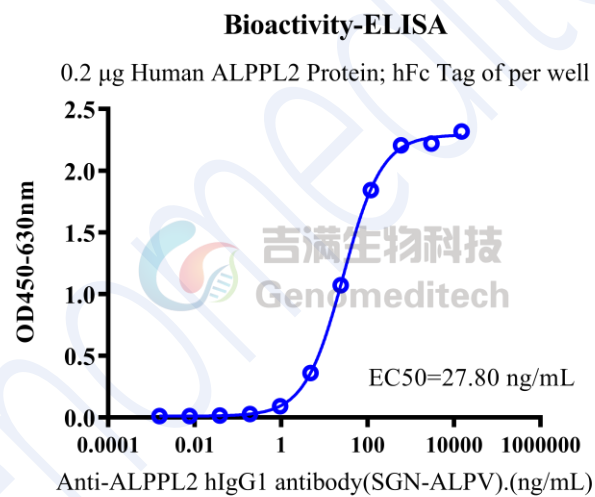


Figure 2 | Human ALPPL2 Protein; hFc Tag (Catalog # GM-88589RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-ALPPL2 hIgG1 antibody (SGN-ALPV) (Catalog # GM-58774AB) were added.

Related Products

ALPPL2;ALPP	
Cynomolgus ALPP HEK-293 Cell Line	H_ALPI HEK-293 Cell Line
H_ALPL HEK-293 Cell Line	H_ALPP CHO-K1 Cell Line
H_ALPP CT26 Cell Line	H_ALPP HEK-293 Cell Line
H_ALPP LLC1 Cell Line	H_ALPP MC38 Cell Line
H_ALPPL2(ALPG) CHO-K1 Cell Line	H_ALPPL2(ALPG) CT26 Cell Line
H_ALPPL2(ALPG) HEK-293 Cell Line	H_ALPPL2(ALPG) LLC1 Cell Line
H_ALPPL2(ALPG) MC38 Cell Line	
Anti-ALPPL2 hIgG1 antibody(SGN-ALPV)	Anti-ALPPL2 mIgG2a antibody(SGN-ALPV)
Anti-H_ALPPL2 hIgG1 Reference Antibody(h12F3)	Anti-ALPPL2-MMAE ADC(Dar4)[SGN-ALPV]
Biotinylated Cynomolgus ALPI Protein; His-Avi Tag	Biotinylated Cynomolgus ALPL Protein; His-Avi Tag
Biotinylated Cynomolgus ALPP Protein; His-Avi Tag	Biotinylated Human ALPI Protein; His-Avi Tag
Biotinylated Human ALPL Protein; His-Avi Tag	Biotinylated Human ALPP Protein; His-Avi Tag
Cynomolgus ALPI Protein; His Tag	Cynomolgus ALPL Protein; His Tag
Human ALPI Protein; His Tag	Human ALPL Protein; His Tag
Human ALPP Protein; His Tag	Human ALPPL2 Protein; His Tag
ADC Related Product	
Anti-DXD Mouse IgG1 Antibody (23E21C5)	Anti-DXD Mouse IgG1 Antibody (4A5A12)
Anti-Dxd Mouse IgG2a Antibody (17D6A4)	Anti-Eribulin Mouse IgG2a Antibody (10F8G4)
Anti-MMAE Mouse IgG1 Antibody (11C10E3)	Anti-MMAE Mouse IgG2a Antibody (17A1K11)
Anti-MMAE Mouse IgG2a Antibody (8F6A3)	Anti-SN38 Mouse IgG1 Antibody(59H11C7)
Mouse anti Human IgG1-DXD(Dar8)	Mouse anti Human IgG1-MMAE(Dar4)
Human IgG1 Isotype-DXD (Dar8)	Human IgG1 Isotype-Eribulin (Dar4)
Human IgG1 Isotype-MMAE (Dar4)	
Recombinant DT3C Protein	