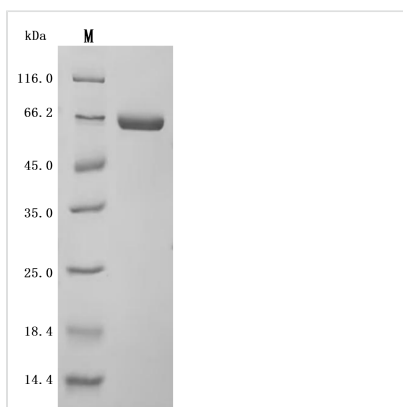


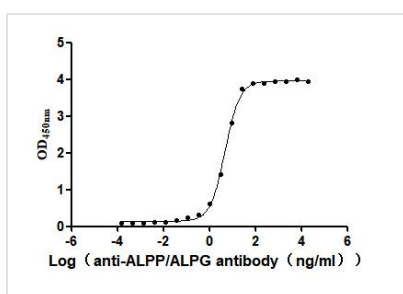


Recombinant Human Alkaline phosphatase, placental type (ALPP) (Active)

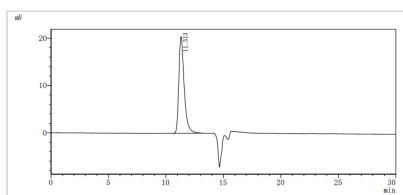
Product Code	CSB-MP001632HU
Abbreviation	Recombinant Human ALPP protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P05187
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human ALPP at 2 μg/mL can bind Anti-ALPP/ALPG recombinant antibody (CSB-RA001633MA1HU). The EC50 is 4.478-5.236 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	IIPVEEENPDFWNREAAEALGAAKKLQPAQTAAKNLIIFLGDGMGVSTVTAARIL KGQKKDKLGPEIPLAMDRFPYVALSKTYNVDKHPD SGATATAYLCGVKGNF QTIGLSAAARFNQCNTTRGNEVISVMNRAKKAGKSVGVTTRVQHASPAGT YAHTVNRNWYSDADVPASARQEGCQDIATQLISNMDIDVILGGGRKYMFRMG TPDPEYPDDYSQGGTRLDGKNLVQEWLAKRQGARYVWNRTELMQASLDPSV THLMGLFEPGDMKYEIHRDSTLDPSLMEMTEAALRLLSRNPRGFFLFVEGGRI DHGHHESRAYRALTETIMFDDAIERAGQLTSEEDTL SLVTADHSHVFSFGGYP LRGSSIFGLAPGKARDRKAYTVLLYGNPGYVLKDGARPDVTESESGSPEYR QQSAVPLDEETHAGEDVAVFARGPQAHLVHGVQEQT FIAHVMAFAACLEPYT ACDLAPPAGTTD
Source	Mammalian cell
Target Names	ALPP
Expression Region	23-506aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	54.1 kDa
Protein Length	Full Length of Mature Protein
Image	



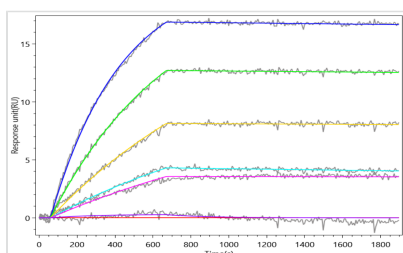
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human ALPP at 2 $\mu\text{g/ml}$ can bind Anti-ALPP/ALPG recombinant antibody (CSB-RA001633MA1HU). The EC_{50} is 4.478-5.236 ng/mL.



The purity of ALPP was greater than 95% as determined by SEC-HPLC



ALPP Recombinant Monoclonal Antibody (CSB-RA001633MA1HU) captured on Protein A Chip can bind Recombinant Human ALPP protein with an affinity constant of 0.796 nM as detected by MetaSPR Assay (WeSPRTM 200).

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.