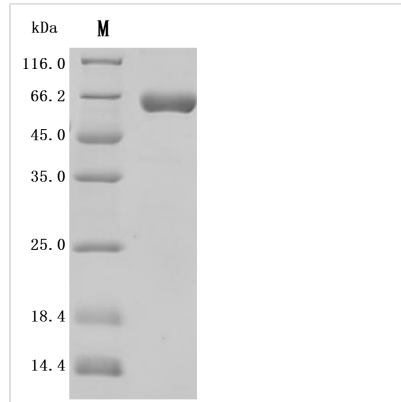


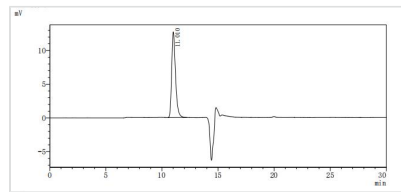


Recombinant *Macaca fascicularis* Alkaline phosphatase, placental type (ALPP) (Active)

Product Code	CSB-MP4963MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey 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.	XP_045223825.1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	Unit Definition: One unit is defined as the amount of enzyme required to cleave 1 nmol p-nitro-phenylphosphate (pNPP), in 1 minute at 37°C, pH 10.0. The specific activity is >7000 U/mg.
Purity	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Sequence	IIPVEEENPDFWNRQAAEALGAAKQLPIQTAANKNLIIFLGDGMGVSTVTAARIL KGQKEEKLGPETPLAMDHFPYVALSKTYSVDKHVPDSAATATAYLCGVKGNF QTIGLSAAARYNQCNTTRGNEVVSVMNRAKKAGKSVGVTTRVQHASPAGA YAHTVNRNWYSDANMPGSARREGCKDIATQLISNMDIDVILGGGRKYMFRMG APDPEYPHDYSQDGTRMDGKNLVQEWLAKHQGARYVWNRTLMQASLDPS VTHLMGLFEPGDMKYEIHRDPTLDPSLMEMTEAALRLLSRNPRGFFLFVEGGR IDHGHHESRAYRALTEAVMFDDAIERAGQLTSEEDTLTLVTADHSHVFSFGAY PLRGSSIFGLAPGKAQDRKAYTALLYGNGPGYVLKDGARPDVTESESGSPEY RQQAAPLDEETHAGEDVAVFARGPQAHLVHGVQEVSFVAHVMAFAACLEP YTACDLAPPAGTTD
Source	Mammalian cell
Target Names	ALPP
Expression Region	21-504aa
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.



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

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°C/-80°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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.