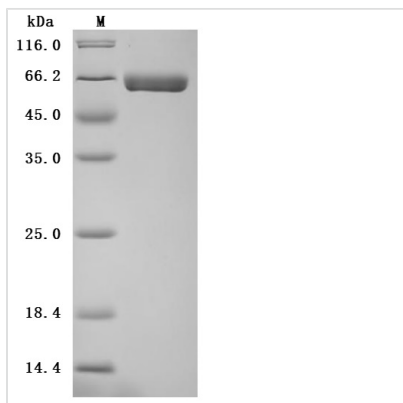


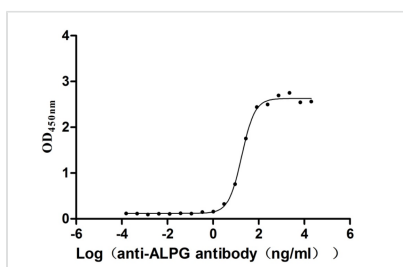


Recombinant Human Alkaline phosphatase, germ cell type (ALPG) (Active)

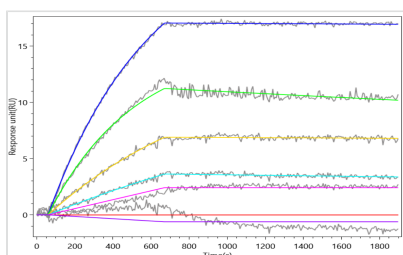
Product Code	CSB-MP001633HU
Abbreviation	Recombinant Human ALPG protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P10696
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized Human ALPG at 2 µg/mL can bind Anti-ALPG recombinant antibody (CSB-RA001633MA1HU), the EC50 is 14.09-23.17 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	IIPVEEENPDFWNRQAAEALGAAKKLQPAQTAAKNLIIFLGDGMGVSTVTAARIL KGQKKDKLGPETFLAMDRFPYVALSKTYSVDKHVPDSGATATAYLCGVKGNF QTIGLSAAARFNQCNTTRGNEVISVMNRACKAGKSVGVTTRVQHASPAGA YAHTVNRNWYSDADVPASARQEGCQDIATQLISNMDIDVILGGGRKYMFPMPG TPDPEYPDDYSQGGTRLDGKNLVQEWLAKHQGARYVWNRTELLQASLDPSV THLMGLFEPGDMKYEIHRDSTLDPSLMEMTEAALLLSRNPGRFFLFVEGGRI DHGHHESRAYRALTETIMFDDAIERAGQLTSEEDTLSLVTADHSHVFSFGGYP LRGSSIFGLAPGKARDRKAYTVLLYGNGPGYVLKDGARPDVTESESGSPEYR QQSAVPLDGETHAGEDVAVFARGPQAHLVHGVQEQTFAHVMAFAACLEPYT ACDLAPRAGTTD
Source	Mammalian cell
Target Names	ALPG
Expression Region	20-503aa
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	53.9 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 ALPG at 2 μ g/mL can bind Anti-ALPG recombinant antibody (CSB-RA001633MA1HU)? the EC₅₀ is 14.09-23.17 ng/mL.



ALPG Recombinant Monoclonal Antibody (CSB-RA001633MA1HU) captured on Protein A Chip can bind Recombinant Human ALPG protein with an affinity constant of 0.444 nM as detected by MetaSPR Assay (WeSPR™ 200).

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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.