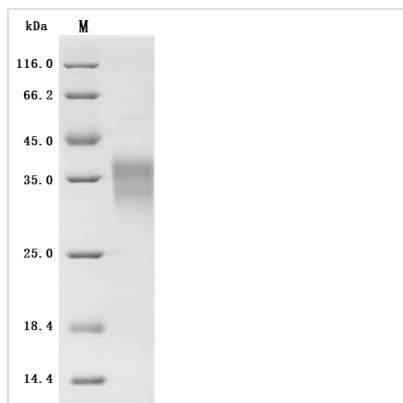




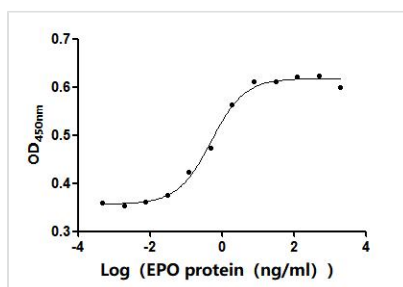
Recombinant Human Erythropoietin (EPO) (Active)

Product Code	CSB-MP007743HU
Abbreviation	Recombinant Human EPO 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.	P01588
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	①The ED50 as determined by the dose-dependent stimulation of the proliferation of TF-1 cells is 0.3534 to 0.7096 ng/mL. ②Measured by its binding ability in a functional ELISA. Immobilized Human EPO at 2 µg/mL can bind Anti-EPO recombinant antibody (CSB-RA007743MA1HU). The EC50 is 0.4354-0.5532 ng/mL.
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNIFYAWKRM EVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLT TLLRALGAQKEAISPPDAASAAPLRTITADTFRKLFRVYSNFLRGKCLKLYTGEAC RTGDR
Source	Mammalian cell
Target Names	EPO
Expression Region	28-193aa
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	21.2 kDa
Protein Length	Full Length of Mature Protein

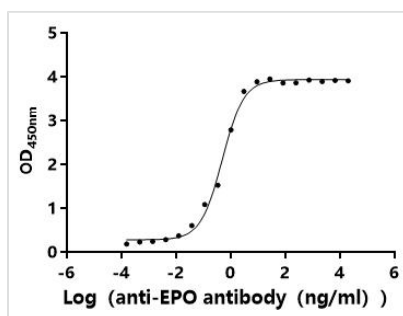
Image



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



Activity
The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of TF-1 cells is 0.3534 to 0.7096 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human EPO at 2 µg/mL can bind Anti-EPO recombinant antibody (CSB-RA007743MA1HU). The EC₅₀ is 0.4354-0.5532 ng/mL.

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.