Recombinant Human Hemoglobin subunit epsilon (HBE1)

Product Code	CSB-EP010153HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P02100
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	VHFTAEEKA AVTSLWSKMN VEEAGGEALG RLLVVYPWTQ RFFDSFGNLS SPSAILGNPK VKAHGKKVLT SFGDAIKNMD NLKPAFAKLS ELHCDKLHVD PENFKLLGNV MVIILATHFG KEFTPEVQAA WQKLVSAVAI ALAHKYH
Source	E.coli
Target Names	HBE1
Protein Names	Recommended name: Hemoglobin subunit epsilon Alternative name(s): Epsilon-globin Hemoglobin epsilon chain
Expression Region	2-147
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The epsilon globin gene (HBE) is normally expressed in the embryonic yolk sac: two epsilon chains together with two zeta chains (an alpha-like globin) constitute the embryonic hemoglobin Hb Gower I; two epsilon chains together with two alpha chains form the embryonic Hb Gower II. Both of these embryonic hemoglobins are normally supplanted by fetal, and later, adult hemoglobin. The five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5 -epsilon - G-gamma - A-gamma - delta - beta-3
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.