Recombinant Rabbit Heart- and neural crest derivatives-expressed protein 1 (HAND1)

Product Code	CSB-YP010125RB
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P57100
Product Type	Recombinant Protein
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Purity	≥85% (SDS-PAGE)
Sequence	MNLVGSYAHH HHHHHPHPAH PMLHEPFLFG PASRCHQERP YFQSWLLSPA DAAPDFPTGG PPPTAAAAAA TYGPDTRPGQ SPGRLEALGG RLGRRKGSGP KKERRRTESI NSAFAELREC IPNVPADTKL SKIKTLRLAT SYIAYLMDVL AKDAQAGDPE AFKAELKKVD GGRESKRKRE LQQHEGFPPA LGPGEKRIKG RTGWPQQVWA LELNQ
Source	Yeast
Target Names	HAND1
Protein Names	Recommended name: Heart- and neural crest derivatives-expressed protein 1 Alternative name(s): Extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1 Short name= eHAND
Expression Region	1-215
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 protein
Target Details	This protein belongs to the basic helix-loop-helix family of transcription factors. This gene product is one of two closely related family members, the HAND proteins, which are asymmetrically expressed in the developing ventricular chambers and play an essential role in cardiac morphogenesis. Working in a complementary fashion, they function in the formation of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. In addition, it has been suggested that this transcription factor may be required for early trophoblast differentiation.
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.