



# Recombinant Human Heart- and neural crest derivatives-expressed protein 2 (HAND2)

<b>Product Code</b>	CSB-YP010126HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P61296
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSLVGGFPHHPVVHHEGYPFAAAAAASRCSHEENPYFHGWLIGHPEMSPPD YSMALSYSPEYASGTANRKERRRRTQSINSAFAELRECIPNVPADTKLSKIKTLR LATSYIAYLMDLLAKDDQNGEAEAFKAEIKKTDVKEEKRKELNEILKSTVSSND KKTGRTGWPQHVALELKQ
<b>Source</b>	Yeast
<b>Target Names</b>	HAND2
<b>Protein Names</b>	Recommended name: Heart- and neural crest derivatives-expressed protein 2 Alternative name(s): Class A basic helix-loop-helix protein 26 Short name= bHLHa26 Deciduum, heart, autonomic nervous system and neural crest derivatives-expresses
<b>Expression Region</b>	1-180
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length of Isoform 2
<b>Target Details</b>	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, this transcription factor plays an important role in limb and branchial arch development.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.