

HAND1, 1-215aa, Human, His tag, E.coli

Cat.NO.: TP02397

3th Edition

Synonyms:Heart and neural crest derivatives-expressed protein 1, bHLHa27, eHand, Hxt, Thing1.

Description:HAND1 belongs to the basic helix-loop-helix family of transcription factors. This protein 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:26 kDa (238aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNLVGSYAHHHHHHHPHPAHPMLHEPFLFGPASRCHQERPYPFQSWLLSPA
DAAPDFPAGGPPPAATAAYGPDARPGQSPGRLEALGGRLGRRKGS GPKKERRRTE SINSFAELRECIPNVP
ADTKLSKIKTLRLATS YIAYLMDVLAKDAQSGDPEAFKAELKKADGGRESKRKRELQQHEGFPPALGPVEKRIKGRT
GWPQQVWALELNQ

Purity:> 95% by HPLC

Concentration:1 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.