

AR50563PU-S

Human HAND1 / EHAND (1-215, His-tag) - Purified

Alternate names:

BHLHA27, Class A basic helix-loop-helix protein 27, Extraembryonic tissues heart autonomic nervous system and neural crest derivatives-expressed protein 1, Heart- and neural crest derivatives-expressed protein 1

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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. In addition, it has been suggested that this transcription factor may be required for early trophoblast differentiation.

Uniprot ID:

[O96004](#)

NCBI:

[NP_004812](#)

GenelD:

[9421](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description:

Recombinant human HAND1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMNLVGSY AHHHHHHHPH PAHPMLHEPF LFGPASRCHQ
ERPYPQSWLL SPADAAPDFP AGGPPAAAAA AATAYGPDAR PGQSPGRLEA LGGRLGRRKG
SGPKKERRRT ESINSAFAEL RECIPNVPAD TKLSIKITLR LATSYIAYLM DVLAKDAQSG
DPEAFKAELE KADGGRESKR KRELQQHEGF PPALGPVEKR IKGRTGWPQQ VWALELNQ

Molecular weight: 26 kDa (238aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Scott IC., et al. (2000). Mol Cell Biol. 20(2):530-41. Srivastava D. Trends Cardiovasc Med. 1999 Jan-Feb;9(1-2):11-8.

Pictures:

