

## Product datasheet for **AR50563PU-N**

### **HAND1 / EHAND (1-215, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	HAND1 / EHAND (1-215, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMNLVGSY AHHHHHHHHPH PAHPMLHEPF LFGPASRCHQ ERPYPQSWLL SPADAAPDFP AGGPPAAAAA AATAYGPDAR PGQSPGRLEA LGGRLGRRKG SGPKKERRRT ESINSAFAEL RECIPNVPAD TKLSKIKTLR LATSIIAYLM DVLAKDAQSG DPEAFKAELK KADGGRESKR KRELQQHEGF PPALGPVEKR IKGRTGWPQQ VWALELNQ
Tag:	His-tag
Predicted MW:	26 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HAND1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_004812</a>
Locus ID:	9421
UniProt ID:	<a href="#">O96004</a>
Cytogenetics:	5q33.2
Synonyms:	bHLHa27; eHand; Hxt; Thing1



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**Summary:**

The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

**Product images:**