

## Product datasheet for **AR50563PU-S**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	HAND1 / EHAND (1-215, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMNLVGSY AHHHHHHHHPH PAHPMLHEPF LFGPASRCHQ ERPYPQSWLL SPADAAPDFP AGGPPAAAAA AATAYGPDAR PGQSPGRLEA LGGRLGRRKG SGPKKERRRT ESINSAFAEL RECIPNVPAD TKLSKIKTLR LATSIAIYLM DVLAKDAQSG DPEAFKAEK KADGGRESKR KRELQQHEGF PPALGPVEKR IKGRTGWPQQ VWALELNQ
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	26 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human HAND1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_004812</a>
<b>Locus ID:</b>	9421
<b>UniProt ID:</b>	<a href="#">O96004</a>
<b>Cytogenetics:</b>	5q33.2
<b>Synonyms:</b>	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:**