



Human HAND1 peptide (DAG-P1647)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Specificity	Heart.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HAND1 heart and neural crest derivatives expressed 1 [Homo sapiens (human)]
Official Symbol	HAND1
Synonyms	HAND1; heart and neural crest derivatives expressed 1; Hxt; eHand; Thing1; bHLHa27; heart-and neural crest derivatives-expressed protein 1; class A basic helix-loop-helix protein 27; extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1;

Entrez Gene ID	9421
mRNA Refseq	NM_004821.2
Protein Refseq	NP_004812.1
UniProt ID	O96004
Chromosome Location	5q33
Pathway	Heart Development, organism-specific biosystem; Neural Crest Differentiation, organism-specific biosystem;
Function	bHLH transcription factor binding; enzyme binding; identical protein binding; protein binding; contributes_to protein binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; transcription coactivator