

Recombinant Human HAND1 Protein, GST-tagged

Cat. No. HAND1-4566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HAND1 full-length ORF (ABZ92217.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	23.7 kDa
AA Sequence	MNLVGSYAHHHHHHPHPAHPMLHEPFLFGPASRCHQERPYPFQSWLLSPADAAPD FPAGGPPPPAAAAAATAYGPDARPGQSPGRLEALGGRLGRRKGSGPKKERRRTESE NSAFaelRECIPNVPADTKLSKIKTlRLATSYIAYLMDVLAKDAQSGDPEAFKAELKKA DGGRESKRKRELQQHEGFPPALGPVEKRIKGRTGWPQQVWALELNQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HAND1 heart and neural crest derivatives expressed 1 [Homo sapiens]
Official Symbol	HAND1
Synonyms	HAND1; heart and neural crest derivatives expressed 1; heart- and neural crest derivatives-expressed protein 1; bHLHa27; eHand; Hxt; Thing1; class A basic helix-loop-helix protein 27; extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1;
Gene ID	9421
mRNA Refseq	NM_004821
Protein Refseq	NP_004812
MIM	602406
UniProt ID	O96004