

Recombinant Human HAND1, GST-tagged

Cat. No. HAND1-13662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HAND1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-215a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
Chromosome Location	5q33
Pathway	Heart Development, organism-specific biosystem;
Function	bHLH transcription factor binding; enzyme binding; identical protein binding; contributes_to protein binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; transcription coactivator activity; transc