Recombinant Human HAND2, GST-tagged

Cat. No. HAND2-13663H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HAND2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-26+33-77a.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, this transcription factor plays an important role in limb and branchial arch development.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	HAND2 heart and neural crest derivatives expressed 2 [Homo sapiens]
Official Symbol	HAND2
Synonyms	HAND2; heart and neural crest derivatives expressed 2; heart- and neural crest derivatives-expressed protein 2; bHLHa26; dHand; Hed; Thing2; class A basic helix-loop-helix protein 26; basic helix-loop-helix transcription factor HAND2; deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2; DHAND2; FLJ16260; MGC125303; MGC125304;
Gene ID	9464
mRNA Refseq	NM_021973
Protein Refseq	NP_068808
MIM	602407
UniProt ID	P61296
Chromosome Location	4q33
Pathway	Heart Development, organism-specific biosystem;
Function	AT DNA binding; E-box binding; contributes_to E-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II regulatory region

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