9051 Mira Mesa Blvd, #910094
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HAND1 Human

Heart and Neural Crest Derivatives Expressed 1 Human Recombinant
RCP0987

Product Overview

Name	HAND1 Human

Description

Heart and Neural Crest Derivatives Expressed 1 Human Recombinant

Accession (Primary)	O96004

Synonyms

Heart- And Neural Crest Derivatives-Expressed Protein 1, Extraembryonic Tissues Heart Autonomic Nervous System And Neural Crest Derivatives-Expressed Protein 1, Class A Basic Helix-Loop-Helix Protein 27, BHLHa27, EHAND, Thing1, Hxt.

Introduction

HAND1 is a member of the basic helix-loop-helix family of transcription factors. HAND1 is one of two HAND proteins, two closely related family members that are irregularly expressed in the emerging ventricular chambers and have a key part in cardiac morphogenesis. Operating in a complementary manner, they work in the development of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. Furthermore, HAND1 is obligatory for early trophoblast differentiation.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HAND1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MNLVGSY AHHHHHHHPH PAHPMLHEPF LFGPASRCHQ ERPYFQSWLL SPADAAPDFP AGGPPPAAAA AATAYGPDAR PGQSPGRLEA LGGRLGRRKG SGPKKERRRT ESINSAFAEL

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RECIPNVPAD TKLSKIKTLR LATSYIAYLM DVLAKDAQSG DPEAFKAELK KADGGRESKR KRELQQHEGF PPALGPVEKR IKGRTGWPQQ VWALELNQ

Precautions

HAND1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O96004)