

Datasheet for ABIN7557819

**HAND1 Protein (AA 1-216) (His tag)**[Go to Product page](#)

## Overview

Quantity: 1 mg

Target: HAND1

Protein Characteristics: AA 1-216

Origin: Mouse

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: This HAND1 protein is labelled with His tag.

## Product Details

Purpose: Custom-made recombinant Hand1 Protein expressed in mammalian cells.

Sequence: MNLVGSYAAH HHHHHSHPPH PMLHEPFLFG PASRCHQERP YFQSWLLSPA DAAPDFPAGG  
PPPTTAVAAA AYGPDARPSQ SPGRLEALGS RLPKRKGGSP KKERRRTESI NSAFaelREC  
IPNVPADTKL SKIKTLRLAT SYIAYLMDVL AKDAQAGDPE AFKAELKKTG GGRESKRKRE  
LPQQPESFPP ASGPGEKRIK GRTGWPQQVW ALELNQ **Sequence without tag. The proposed  
Purification-Tag is based on experiences with the expression system, a different complexity  
of the protein could make another tag necessary. In case you have a special request, please  
contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.

## Product Details

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- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	HAND1
Alternative Name:	Hand1 ( <a href="#">HAND1 Products</a> )
Background:	Heart- and neural crest derivatives-expressed protein 1 (Extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1) (eHAND) (Helix-loop-helix transcription factor expressed in extraembryonic mesoderm and trophoblast) (Thing-1) (Th1),FUNCTION: Transcription factor that plays an essential role in both trophoblast giant cell differentiation and in cardiac morphogenesis (PubMed:9500551, PubMed:16759287). Binds the DNA sequence 5'-NRTCTG-3' (non-canonical E-box) (PubMed:7791788). Acts as a transcriptional repressor of SOX15 (PubMed:16759287). In the adult, could be required for ongoing expression of cardiac-specific genes (By similarity). {ECO:0000250 UniProtKB:O96004, ECO:0000269 PubMed:16759287, ECO:0000269 PubMed:7791788, ECO:0000269 PubMed:9500551}.
Molecular Weight:	23.8 kDa
UniProt:	<a href="#">Q64279</a>
Pathways:	<a href="#">Tube Formation</a>

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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