

Datasheet for ABIN7557651
HAND2 Protein (AA 1-217) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HAND2
Protein Characteristics:	AA 1-217
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAND2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hand2 Protein expressed in mammalien cells.
Sequence:	MSLVGGFPHH PVVHHEGYPF AAAAAAAAAA AASRCSHEEN PYFHGWLIGH PEMSPPDYSM ALSYSPEYAS GAAGLDHSHY GGVPPGAGPP GLGGPRPVKR RGTANRKERR RTQSINSAFA ELRECI PNVP ADTKLSKIKT LRLATSYIAY LMDLLAKDDQ NGEAEAFKAE IKKTDVKEEK RKKELNEILK STVSSNDKKT KGRTGWPQHV WALELKQ 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: HAND2

Alternative Name: Hand2 ([HAND2 Products](#))

Background: Heart- and neural crest derivatives-expressed protein 2 (Deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2) (dHAND) (Helix-loop-helix transcription factor expressed in embryo and deciduum) (Thing-2),FUNCTION: Essential for cardiac morphogenesis, particularly for the formation of the right ventricle and of the aortic arch arteries. Required for vascular development and regulation of angiogenesis, possibly through a VEGF signaling pathway. Also plays an important role in limb development, particularly in the establishment of anterior-posterior polarization, acting as an upstream regulator of sonic hedgehog (SHH) induction in the limb bud. Is involved in the development of branchial arches, which give rise to unique structures in the head and neck. Binds DNA on E-box consensus sequence 5'-CANNTG-3'. {ECO:0000269|PubMed:10769237, ECO:0000269|PubMed:10804186, ECO:0000269|PubMed:9171826, ECO:0000269|PubMed:9671575}.

Molecular Weight: 23.7 kDa

UniProt: [Q61039](#)

Pathways: [Tube Formation](#), [Feeding Behaviour](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
