

Datasheet for ABIN7548342
HOXA1 Protein (AA 1-335) (His tag)



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Overview

Quantity:	1 mg
Target:	HOXA1
Protein Characteristics:	AA 1-335
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HOXA1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HOXA1 Protein expressed in mammalian cells.
Sequence:	MDNARMNSFL EYPILSSGDS GTCSARAYPS DHRITTFQSC AVSANSCGGD DRFLVGRGVQ IGSPHHHHHH HHHHPQPATY QTSGNLGVSY SHSSCGPSYG SQNFSAPYSP YALNQEADVS GGYPQCAPAV YSGNLSSPMV QHHHHHQGYA GGAVGSPQYI HHSYGQEHQS LALATYNNSL SPLHASHQEA CRSPASETSS PAQTFDWMKV KRNPPTGKV GEYGYLGQPN AVRTNFTTKQ LLELEKEFH F NKYLTRARRV EIAASLQLNE TQVKIWFQNR RMKQKKREKE GLLPISPATP PGNDEKAEES SEKSSSSPCV PSPGSSTSDT LTTSH 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:

Product Details

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

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

Grade: custom-made

Target Details

Target: HOXA1

Alternative Name: HOXA1 ([HOXA1 Products](#))

Background: Homeobox protein Hox-A1 (Homeobox protein Hox-1F),FUNCTION: Sequence-specific transcription factor (By similarity). Regulates multiple developmental processes including brainstem, inner and outer ear, abducens nerve and cardiovascular development and morphogenesis as well as cognition and behavior (PubMed:16155570). Also part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures. Seems to act in the maintenance and/or generation of hindbrain segments (By similarity). Activates transcription in the presence of PBX1A and PKNOX1 (By similarity). {ECO:0000250|UniProtKB:P09022, ECO:0000250|UniProtKB:Q90423, ECO:0000269|PubMed:16155570}.

Molecular Weight: 36.6 kDa

UniProt: [P49639](#)

Pathways: [Sensory Perception of Sound](#)

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
