

Datasheet for ABIN7562764
HOXA1 Protein (AA 1-331) (His tag)



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Overview

Quantity:	1 mg
Target:	HOXA1
Protein Characteristics:	AA 1-331
Origin:	Mouse
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 mammalien cells.
Sequence:	MNSFLEYPIL GSGDSGTCSA RAYPSDHGIT TFQSCAVSAN SCGGDDRFLV GRGVQISSPH HHHHHHHHHH PQTATYQTSG NLGISYSHSS CGPSYGAQNF SAPYGPYGLN QEADVSGGYP PCAPAVYSGN LSTPMVQHHH HHQGYAGGTV GSPQYIHHSY GQEQQTLALA TYNNSLSPLH ASHQEACRSP ASETSSPAQT FDWMKVKRNP PKTGKVGGEYG YVGQPNAVRT NFTTKQLTEL EKEFHFNKYL TRARRVEIAA SLQLNETQVK IWFQNRRMKQ KKREKEGLLP ISPATPPGSD EKTEESSEKS SPSPSAPSPA SSTSDTLTTS H 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
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Grade:	custom-made
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Target Details

Target:	HOXA1
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Alternative Name:	Hoxa1 (HOXA1 Products)
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Background:	<p>Homeobox protein Hox-A1 (Early retinoic acid 1) (Homeobox protein Hox-1.6) (Homeoboxless protein ERA-1-399) (Homeotic protein ERA-1-993),FUNCTION: Sequence-specific transcription factor (PubMed:29465778). Regulates multiple developmental processes including brainstem, inner and outer ear, abducens nerve and cardiovascular development and morphogenesis as well as cognition and behavior (By similarity). 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 PKNX1 (PubMed:29465778). {ECO:0000250 UniProtKB:P49639, ECO:0000250 UniProtKB:Q90423, ECO:0000269 PubMed:29465778}., FUNCTION: The homeobox domain presumably directs sequence-specific DNA binding. The N-terminal portion of ERA-1-993 may be involved in interactions with one or more other regulatory proteins. Such an interaction could regulate either the DNA-binding activity or the transcriptional regulatory activity of ERA-1-993., FUNCTION: The homeoboxless ERA-1-399 protein could act as a competitive inhibitor of the</p>
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Target Details

ERA-1-993 protein by competing for interaction with regulatory protein(s) while being unable to bind to DNA.

Molecular Weight: 36.0 kDa

UniProt: [P09022](#)

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