

Datasheet for ABIN7562263  
**Arx Protein (AA 1-564) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg                                       |
| Target:                       | Arx (ARX)                                  |
| Protein Characteristics:      | AA 1-564                                   |
| Origin:                       | Mouse                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This Arx protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)      |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Arx Protein expressed in mammalien cells.   |
| Sequence: | <p>MSNQYQEEGC SERPECKSKS PTLSSYCID SILGRRSPCK MRLLGAAQSL PAMPLASRADQ<br/>           EKAMQGGSPKS SSAPFEAELH LPPKLRRLYG PGGGRLLQGA AAAAAAAAAA AAAATATGTA<br/>           GPRGEVPPPP PPAARPERQ DSAGAVAAAA AAAAWDTLKI SQAPQVSISR SKSYRENGAP<br/>           FVPPPPALDE LSGPGGVAHP EERLSAASGP GSAPAAGGGT GAEDDEEELL EDEDEEEEEE<br/>           ELLEDDDEEL LEDDARALLK EPRRCSVATT GTVAAAAAAAA AAVATEGGE LSPKEELLH<br/>           PEDAEGKDGE DSVCLSAGSD SEEGLLKRKQ RRYRTTFTSY QLEELERAFQ KTHYPDVFTR<br/>           EELAMRLDLT EARVQVWFQN RRAKWRKREK AGAQTHPPGL PFPGPLSATH PLSPYLDASP<br/>           FPPHHPALDS AWTAASAAAAA AAFPSLPPPP GSASLPPSGA PLGLSTFLGA AVFRHPAFIS<br/>           PAFGRFLSTM APLTSASTAA ALLRQPTPAV EGAVASGALA DPATAAADRR ASSIAALRLK<br/>           AKEHAAQLTQ LNILPGTSTG KEVC <b>Sequence without tag. The proposed Purification-Tag is<br/>           based on experiences with the expression system, a different complexity of the protein</b></p> |

## Product Details

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**could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

Arx (ARX)

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### Alternative Name:

Arx ([ARX Products](#))

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### Background:

Homeobox protein ARX (Aristaless-related homeobox),FUNCTION: Transcription factor (By similarity). Binds to specific sequence motif 5'-TAATTA-3' in regulatory elements of target genes, such as histone demethylase KDM5C (By similarity). Positively modulates transcription of KDM5C (PubMed:31691806). Activates expression of KDM5C synergistically with histone lysine demethylase PHF8 and perhaps in competition with transcription regulator ZNF711, synergy may be related to enrichment of histone H3K4me3 in regulatory elements (By similarity). Required for normal brain development (PubMed:12379852). Plays a role in neuronal proliferation, interneuronal migration and differentiation in the embryonic forebrain (PubMed:12379852, PubMed:31691806). May also be involved in axonal guidance in the floor plate (PubMed:9256348). {ECO:0000250|UniProtKB:Q96QS3, ECO:0000269|PubMed:12379852, ECO:0000269|PubMed:31691806, ECO:0000269|PubMed:9256348}.

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### Molecular Weight:

58.5 kDa

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## Target Details

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UniProt: [O35085](#)

## Application Details

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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

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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