

## Recombinant Mouse Arx Protein, MYC/DDK-tagged

**Cat. No.** Arx-652M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse aristaless related homeobox (Arx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a transcription factor that plays an important role in the development of forebrain. Male mice lacking this gene have smaller brains, olfactory bulbs and testes, and die within half a day after birth. Mice lacking this gene specifically in ganglionic eminence-derived neurons, including cortical interneurons, develop seizures. Mutations in this gene have been demonstrated to cause mouse phenotypes resembling human X-linked lissencephaly and cognitive disability with epilepsy. Alternative splicing results in multiple transcript variants.
<b>Molecular Mass</b>	58.9 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Arx aristaless related homeobox \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Arx](#)

**Synonyms** Arx; aristaless related homeobox; Arx1; homeobox protein ARX

**Gene ID** [11878](#)

**mRNA Refseq** [NM\\_007492](#)

**Protein Refseq** [NP\\_031518](#)

**UniProt ID** [O35085](#)

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