

Recombinant Mouse Arx Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse aristaless related homeobox (Arx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	58.9 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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