

Recombinant Human ARX Protein, His-tagged

Cat. No. ARX-547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARX(Ser25~Asp246) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser25~Asp246
Description	This gene is a homeobox-containing gene expressed during development. The expressed protein contains two conserved domains, a C-peptide (or aristaless domain) and the prd-like class homeobox domain. It is a member of the group-II aristaless-related protein family whose members are expressed primarily in the central and/or peripheral nervous system. This gene is thought to be involved in CNS development. Expansion of a polyalanine tract and other mutations in this gene cause X-linked cognitive disability and epilepsy.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others
GENE INFORMATION	
Gene Name	ARX aristaless related homeobox [Homo sapiens]
Official Symbol	ARX
Synonyms	ARX; aristaless related homeobox; mental retardation, X linked 29 , mental retardation, X linked 32 , mental retardation, X linked 33 , mental retardation, X linked 36 , mental retardation, X linked 38 , mental retardation, X linked 43 , mental retardation, X linked 54 , mental retardation, X linked 76 , mental retardation, X linked 87 , MRX29, MRX32, MRX33, MRX36, MRX38, MRX43, MRX54, MRX76, MRX87, MRXS1, PRTS; homeobox protein ARX; cancer/testis antigen 121; CT121; EIEE1; ISSX; aristaless-related homeobox, X-linked; PRTS; MRX29; MRX32; MRX33; MRX36; MRX38; MRX43; MRX54; MRX76; MRX87; MRXS1;
Gene ID	170302
mRNA Refseq	NM_139058

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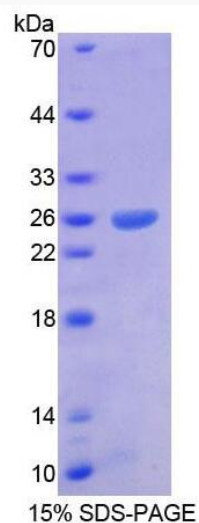
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Protein Refseq NP_620689

MIM 300382

UniProt ID Q96QS3



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