

Datasheet for ABIN7552357

ARMCX1 Protein (AA 1-453) (His tag)



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Overview

Quantity:	1 mg
Target:	ARMCX1
Protein Characteristics:	AA 1-453
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARM CX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ARM CX1 Protein expressed in mammalien cells.
Sequence:	<p>MGRTREAGCV AAGVVIGAGA CYCVYRLAWG RDENEKIWDE DEESTDTSEI GVETVKGAKT NAGAGSGAKL QGDSEVKPEV SLGLEDCPGV KEKAHSGSHS GGGLEAKAKA LFNTLKEQAS AKAGKGARVG TISGNRTLAP SLPCPGGRGG GCHPTRSGSR AGGRASGSKS GKARSKSTRA PATTWPVRRG KFNFPYKIDD ILSAPDLQKV LNILERTNDP FIQEVALVTL GNNAAYSFNQ NAIRELGGVP IIAKLIKTKD PIIREKTYNA LNNLSVNAEN QGKIKTYISQ VCDDTMVCRL DSAVQMAGLR LLTNMTVTNH YQHLLSYSFP DFFALLFLGN HFTKIQIMKL IINFTEPNAM TRELVSCKVP SELISLFNKE WDREILLNIL TLFENINDNI KNEGLASSRK EFSRSSLFFL FKESGVCVKK IKALANHNDL VVKVKVLKVL TKL 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.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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

Target:	ARMCX1
Alternative Name:	ARMCX1 (ARMCX1 Products)
Background:	Armadillo repeat-containing X-linked protein 1 (ARM protein lost in epithelial cancers on chromosome X 1) (Protein ALEX1),FUNCTION: Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes neuronal survival and axon regeneration after nerve injury. May link mitochondria to the Trak1-kinesin motor complex via its interaction with MIRO1. {ECO:0000250 UniProtKB:Q9CX83}.
Molecular Weight:	49.2 kDa
UniProt:	Q9P291

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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