

Datasheet for ABIN7558655

ARMCX3 Protein (AA 1-379) (His tag)



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Overview

Quantity:	1 mg
Target:	ARMCX3
Protein Characteristics:	AA 1-379
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARM CX3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Armcx3 Protein expressed in mammalian cells.
Sequence:	MGYARKVGWV TAGLVIGAGA CYCIYRLTRG RKQNKEKMAE GGSGDVDDAG DCSGARYNDW SDDDDDSNES KSIVWYPPWA RIGTEAGTRA RARARARATR ARRAVQKRAS PNSDDTVLSP QELQKVLCLV EMSEKPYILE AALIALGNNA AYAFNRDIIR DLGGLPIVAK ILNTRDPIVK EKALIVLNNL SVNAENQRRL KVYMNQVCDD TVTSRLNSSV QLAGLRLLTN MTVTNEYQHI LANSISDFFR LFSAGNEETK LQVLKLLNL AENPAMTREL LRAQVPSSLG SLFNKKEYKE VILKLLIIFE NINDNFKWEE NEPAQNHFSE GSLFFFLKEF QVCADKVLGI ESRHDFQVRV KVGKFVAKLT ERMFPKSQE 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ARMCX3
Alternative Name:	Armxc3 (ARMCX3 Products)
Background:	Armadillo repeat-containing X-linked protein 3,FUNCTION: Regulates mitochondrial aggregation and transport in axons in living neurons (PubMed:22569362, PubMed:23844091). May link mitochondria to the Trak2-kinesin motor complex via its interaction with Miro and Trak2 (PubMed:22569362). Mitochondrial distribution and dynamics is regulated through Armxc3 protein degradation, which is promoted by PCK and negatively regulated by Wnt1 (PubMed:23844091). Enhances the Sox10-mediated transactivation of the neuronal acetylcholine receptor subunit alpha-3 and beta-4 subunit gene promoters (PubMed:19304657). {ECO:0000269 PubMed:19304657, ECO:0000269 PubMed:22569362, ECO:0000269 PubMed:23844091}.
Molecular Weight:	42.6 kDa
UniProt:	Q8BHS6

Application Details

Application Notes:	We expect the protein to work for functional studies. 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